

Service Manual

DEH-P835R/EW



ORDER NO.
CRT2036

MULTI-CD/DSP CONTROL HIGH POWER CD PLAYER WITH RDS TUNER

DEH-P835R EW

MULTI-CD CONTROL HIGH POWER CD PLAYER WITH RDS TUNER

DEH-P735R EW

COMPACT
DISC
DIGITAL AUDIO

- See the separate manual CX-597(CRT1829) for the CD mechanism description, disassembly and circuit description.
- The CD mechanism employed in this model is one of CX-597 series.
- This device employs an inverter as the power supply for EL. The inverter has an output voltage reach approximately 200 volts(AC). Utmost care should be used not to suffer from a possible electric shock, accordingly.
- The words "Sound Retrieval System" and the SRS Symbol (●) are trademarks of SRS Labs, Inc. Patented in the USA and selected countries.

(●)*SOUND RETRIEVAL SYSTEM

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● CD Player Service Precautions

1. For pickup unit(CXX1230) handling, please refer to "Disassembly"(CX-597 Service Manual CRT1829). During replacement, handling precautions shall be taken to prevent an electrostatic discharge(protection by a short pin).
2. During disassembly, be sure to turn the power off since an internal IC might be destroyed when a connector is plugged or unplugged.

3. Please checking the grating after changing the service pickup unit(see page 58).
4. This device employs an inverter as the power supply for the EL. Utmost care should be used not to suffer from a possible electric shock, accordingly.

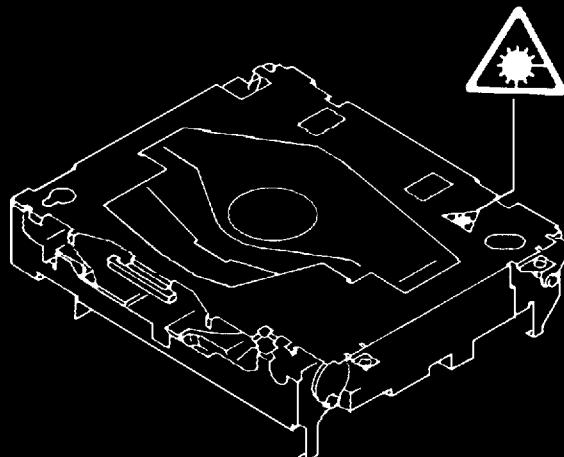
1. SAFETY INFORMATION

1. Safety Precautions for those who Service this Unit.

- When checking or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

Caution:

1. During repair or tests, minimum distance of 13cm from the focus lens must be kept.
 2. During repair or tests, do not view laser beam for 10 seconds or longer.
-
2. A "CLASS 1 LASER PRODUCT" label is affixed to the rear of the player.
 3. The triangular label is attached to the mechanism unit frame.



4. Specifications of Laser Diode

Specifications of laser radiation fields to which human access is possible during service.
Wavelength = 800 nanometers

2. EXPLODED VIEWS AND PARTS LIST

2.1 PACKING

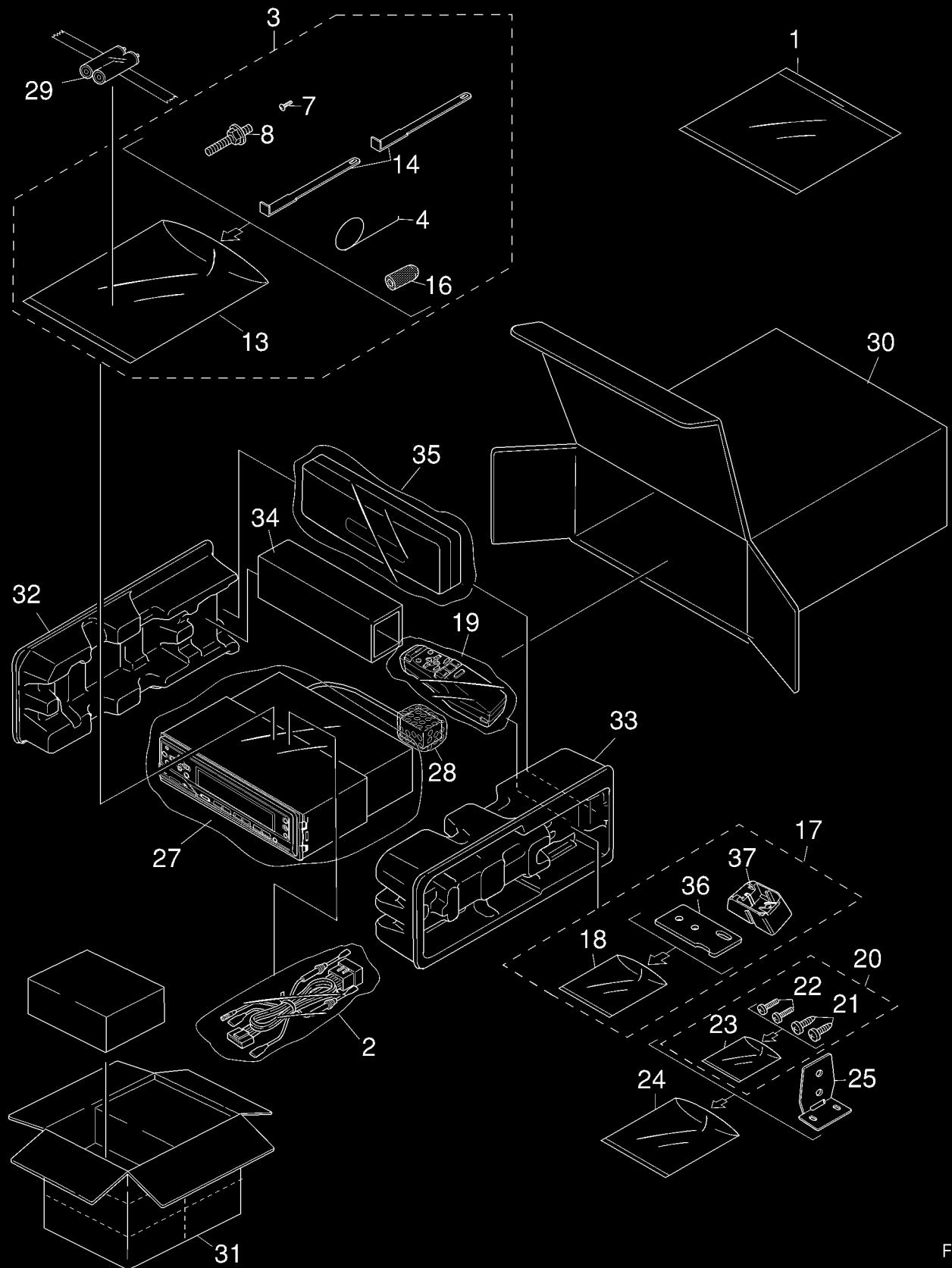


Fig. 1

DEH-P835R, P735R

NOTE:

- Parts marked by “ * ” are generally unavailable because they are not in our Master Spare Parts List.
- Screws adjacent to ▼ mark on the product are used for disassembly.

(1) PARTS LIST

| Mark No. | Description | Part No. | Mark No. | Description | Part No. |
|----------|---------------------|-----------------------|----------|---------------------|-----------------------|
| 1-1 | Owner's Manual | See Contrast table(2) | 15 | | |
| 1-2 | Owner's Manual | See Contrast table(2) | 16 | Bush | CNV1009 |
| 1-3 | Owner's Manual | See Contrast table(2) | 17 | Base Assy | CEA2344 |
| 1-4 | Installation Manual | See Contrast table(2) | 18 | Polyethylene Bag | CZE3188 |
| 1-5 | Installation Manual | See Contrast table(2) | 19 | Remote Control Assy | See Contrast table(2) |
| 1-6 | Installation Manual | See Contrast table(2) | 20 | Screw Assy | CZE3198 |
| * 1-7 | Caution Card | CRP1145 | 21 | Screw | BNC40P120FZK |
| * 1-8 | Label | CRW1343 | 22 | Screw | BPZ30P100FZK |
| 1-9 | Passport | CRY1013 | * 23 | Polyethylene Bag | CEG-127 |
| * 1-10 | Warranty Cordt | CRY1087 | * 24 | Polyethylene Bag | CZE3201 |
| 1-11 | Polyethylene Bag | CEG1116 | 25 | Bracket | CZN6467 |
| 2 | Cord Assy | CDE5250 | 27 | Polyethylene Bag | CEG-162 |
| 3 | Accessory Assy | CEA2065 | 28 | Air Cushioned Bag | CEG1192 |
| 4 | Spring | CBH-865 | 29 | Battery | CEX1006 |
| 5,6 | | | 30 | Carton | See Contrast table(2) |
| 7 | Screw | CBA1120 | 31 | Contain Box | See Contrast table(2) |
| 8 | Screw | CBA1284 | 32 | Protector | CHP1766 |
| 9-12 | | | 33 | Protector | CHP1767 |
| * 13 | Polyethylene Bag | E36-615 | 34 | Spacer | CHW1433 |
| 14 | Handle | CNC5395 | 35 | Case Assy | CXA7194 |
| | | | * | 36 Sheet | CZA3371 |
| | | | * | 37 Base | CZN6466 |

(2) CONTRAST TABLE

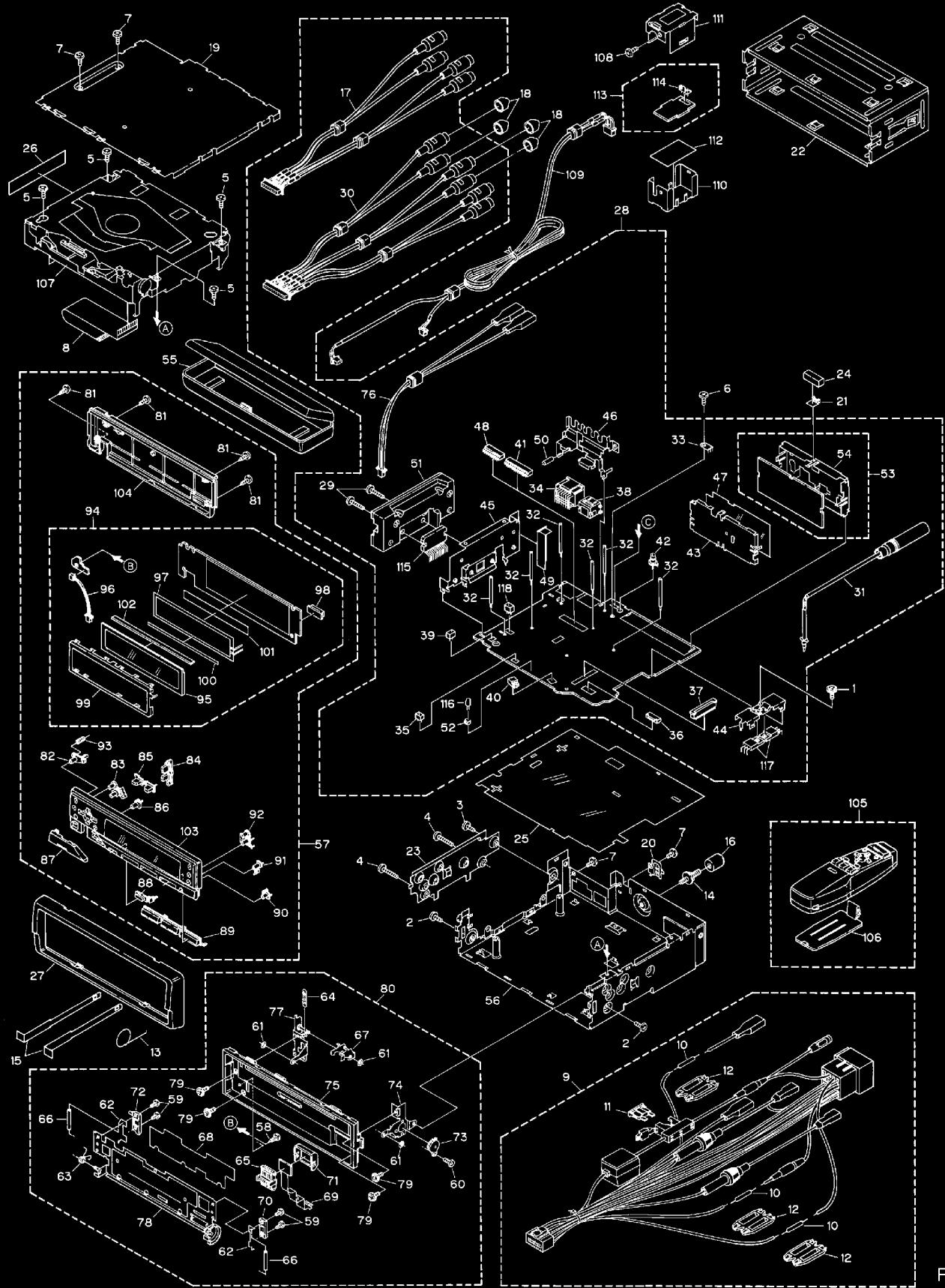
DEH-P835R/EW and DEH-P735R/EW have the same construction except for the following:

| Mark No. | Symbol & Description | Part No. | |
|----------|----------------------|--------------|--------------|
| | | DEH-P835R/EW | DEH-P735R/EW |
| 1-1 | Owner's Manual | CRD2353 | CRD2358 |
| 1-2 | Owner's Manual | CRD2354 | CRD2359 |
| 1-3 | Owner's Manual | CRD2355 | CRD2360 |
| 1-4 | Installation Manual | CRD2357 | CRD2361 |
| 1-5 | Installation Manual | CRD2472 | CRD2476 |
| 1-6 | Installation Manual | CRD2473 | CRD2477 |
| 19 | Remote Control Assy | CXB1159 | CXB1160 |
| 30 | Carton | CHG3281 | CHG3285 |
| 31 | Contain Box | CHL3281 | CHL3285 |

● Owner's Manual, Installation Manual

| Model | Part No. | Language |
|--------------|----------|------------------|
| DEH-P835R/EW | CRD2353 | English, Spanish |
| | CRD2354 | French, German |
| | CRD2355 | Italian, Dutch |
| | CRD2357 | English, Spanish |
| | CRD2472 | French, German |
| | CRD2473 | Italian, Dutch |
| DEH-P735R/EW | CRD2358 | English, Spanish |
| | CRD2359 | French, German |
| | CRD2360 | Italian, Dutch |
| | CRD2361 | English, Spanish |
| | CRD2476 | French, German |
| | CRD2477 | Italian, Dutch |

2.2 EXTERIOR



DEH-P835R, P735R

● EXTERIOR

(1)PARTS LIST

| Mark No. | Description | Part No. | Mark No. | Description | Part No. |
|----------|----------------------|-----------------------|----------|--------------------|-----------------------|
| 1 | Screw | ASZ26P080FMC | 46 | Bracket | See Contrast table(2) |
| 2 | Screw | BMZ30P040FMC | 47 | Insulator | CNM4684 |
| 3 | Screw | BMZ30P050FMC | 48 | Connector(CN353) | See Contrast table(2) |
| 4 | Screw | BMZ30P180FMC | 49 | Spacer | CNM5305 |
| 5 | Screw | BSZ26P050FMC | 50 | Spacer | CNM5306 |
| 6 | Screw | BSZ30P055FUC | 51 | Heat Sink | CNR1451 |
| 7 | Screw | BSZ30P060FMC | 52 | Holder | CNV1906 |
| 8 | Connector | CDE4864 | 53 | FM/AM Tuner Unit | CWE1416 |
| 9 | Cord Assy | CDE5250 | 54 | Holder | CNC6554 |
| 10 | Resistor | RS1/2PMF102J | 55 | Case Assy | CXA7194 |
| 11 | Fuse(10A) | CEK1136 | 56 | Chassis Unit | See Contrast table(2) |
| 12 | Cap | CNS1472 | 57 | Panel Assy | CXA9951 |
| 13 | Spring | CBH-865 | 58 | Screw | BPZ20P060FMC |
| 14 | Screw | CBA1284 | 59 | Screw | CBA1082 |
| 15 | Handle | CNC5395 | 60 | Screw | CBA1176 |
| 16 | Bush | CNV1009 | 61 | Washer | CBF1001 |
| 17 | Cord | See Contrast table(2) | 62 | Spring | CBH1528 |
| 18 | Cap | See Contrast table(2) | 63 | Spring | CBH1660 |
| 20 | Holder | CNC4963 | 64 | Spring | CBH1696 |
| 21 | Holder | CNC6469 | 65 | Connector | CKS2780 |
| 22 | Holder | CNC6798 | 66 | Roller | CLA3023 |
| 23 | Holder | CNC6924 | 67 | Arm | CNC7130 |
| 24 | Cushion | CNM4870 | 68 | Sheet | CNM5142 |
| 25 | Insulator | CNM5143 | 69 | P.C.Board | CNP3847 |
| 26 | Spacer | CNM5304 | 70 | Holder | CNV2141 |
| 27 | Panel | CNS4320 | 71 | Cover | CNV3965 |
| 28 | Tuner Amp Unit | See Contrast table(2) | 72 | Holder | CNV4979 |
| 29 | Screw | BSZ26P160FMC | 73 | Damper Unit | CXA7159 |
| 30 | Cord | See Contrast table(2) | 74 | Holder Unit | CXA7794 |
| 31 | Antenna Cable | CDH1146 | 75 | Panel Unit | CXA9803 |
| 32 | Clamper | CEF1006 | 76 | Cord Assy | CDE5372 |
| 33 | Terminal(CN404) | CKF1059 | 77 | Holder Unit | CXA9806 |
| 34 | Plug(CN901) | CKM1187 | 78 | Holder Unit | CXA9807 |
| 35 | Plug(CN802) | CKS-783 | 79 | Screw | IMS20P040FZK |
| 36 | Connector(CN801) | CKS2212 | 80 | Detach Grille Assy | See Contrast table(2) |
| 37 | Connector(CN991) | CKS2774 | 81 | Screw | BPZ20P080FZK |
| 38 | Connector(CN101) | CKS3408 | 82 | Button(○) | CAC4971 |
| 39 | Connector(CN804) | CKS3582 | 83 | Button(F A) | CAC4972 |
| 40 | Connector(CN803) | CKS3596 | 84 | Button(▲▼) | CAC4973 |
| 41 | Connector(CN353) | See Contrast table(2) | 85 | Button(◀▶) | CAC4974 |
| 42 | Mini Pin Jack(CN403) | CKX1046 | 86 | Button(B A) | CAC4975 |
| 43 | Holder | CNC6356 | 87 | Button(- +) | CAC4976 |
| 44 | Holder | CNC6431 | 88 | Button(SOURCE) | CAC4977 |
| 45 | Holder | CNC6923 | 89 | Button(1-6) | CAC5379 |
| | | | 90 | Button(D) | CAC4979 |

| Mark No. | Description | Part No. | Mark No. | Description | Part No. |
|----------|---------------------|-----------------------|----------|------------------------|--------------|
| 91 | Button(P) | CAC4980 | 106 | Battery Cover | CNS4406 |
| 92 | Button | CAC4981 | 107 | CD Mecanism Module(S7) | CXK5001 |
| 93 | Spring | CBH1844 | 108 | Screw | BSZ26P050FMC |
| 94 | Keyboard Unit | See Contrast table(2) | 109 | Cord | MDE9009 |
| 95 | LCD | See Contrast table(2) | 110 | Holder | MNC9001 |
| 96 | Cord | CDE4387 | 111 | Holder | MNC9002 |
| 97 | EL(CN1902) | CEL1493 | 112 | Insulator | MNM9001 |
| 98 | Connector(CN1901) | CKS2733 | 113 | Inverter Unit | MWM9001 |
| 99 | Holder | CNC6920 | 114 | Plug(CN101) | CKS1224 |
| 100 | Spacer | CNM5449 | 115 | IC(IC171) | TDA7386 |
| 101 | Double Side Seal | CNM5301 | 116 | Lamp(IL801) | CEL1263 |
| 102 | Connector | CNV4817 | 117 | Transistor(Q941,992) | 2SD2396 |
| 103 | Grille Unit | See Contrast table(2) | 118 | Connector(CN651) | CKS3583 |
| 104 | Cover Unit | CXA9802 | | | |
| 105 | Remote Control Assy | See Contrast table(2) | | | |

(2) CONTRAST TABLE

DEH-P835R/EW and DEH-P735R/EW have the same construction except for the following:

| Mark No. | Symbol & Description | Part No. | |
|----------|----------------------|--------------|--------------|
| | | DEH-P835R/EW | DEH-P735R/EW |
| 17 | Cord(4P) | Not used | CDE5244 |
| 18 | Cap | CNV2680(4) | Not used |
| 28 | Tuner Amp Unit | CWM5048 | CWM5053 |
| 30 | Cord | CDE5247 | Not used |
| 41 | Connector(CN353) | CKS3606 | Not used |
| 46 | Bracket | CNC6952 | CNC7131 |
| 48 | Connector(CN353) | Not used | CKS3602 |
| 56 | Chassis Unit | CXA9808 | CXA9812 |
| 80 | Detach Grille Assy | CXA9967 | CXA9973 |
| 94 | Keyboard Unit | CWM5062 | CWM5416 |
| 95 | LCD | CAW1403 | CAW1404 |
| 103 | Grille Unit | CXA9789 | CXA9799 |
| 105 | Remote Control Assy | CXB1159 | CXB1160 |

2.3 CD MECHANISM MODULE

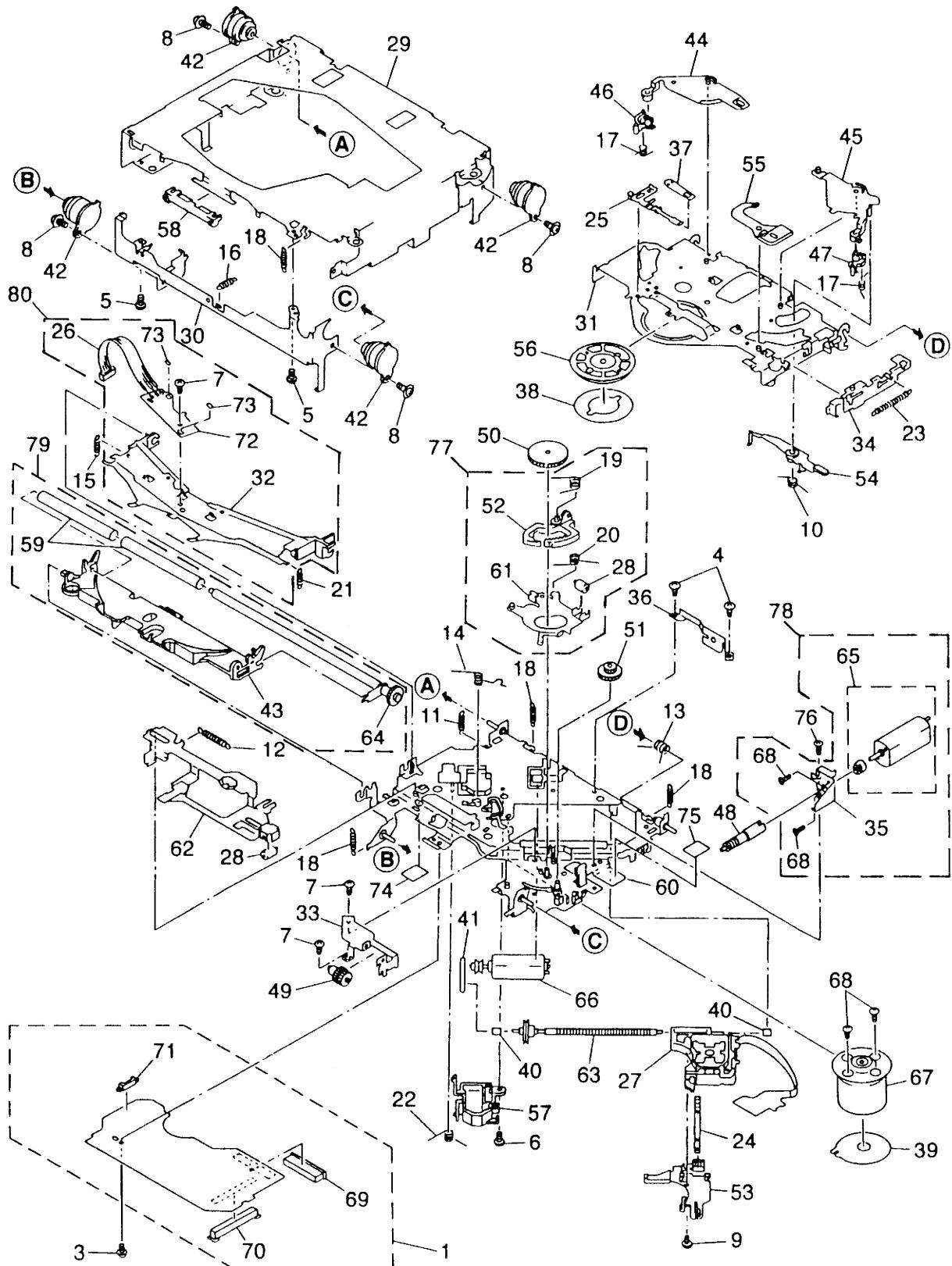


Fig. 3

● CD MECHANISM MODULE

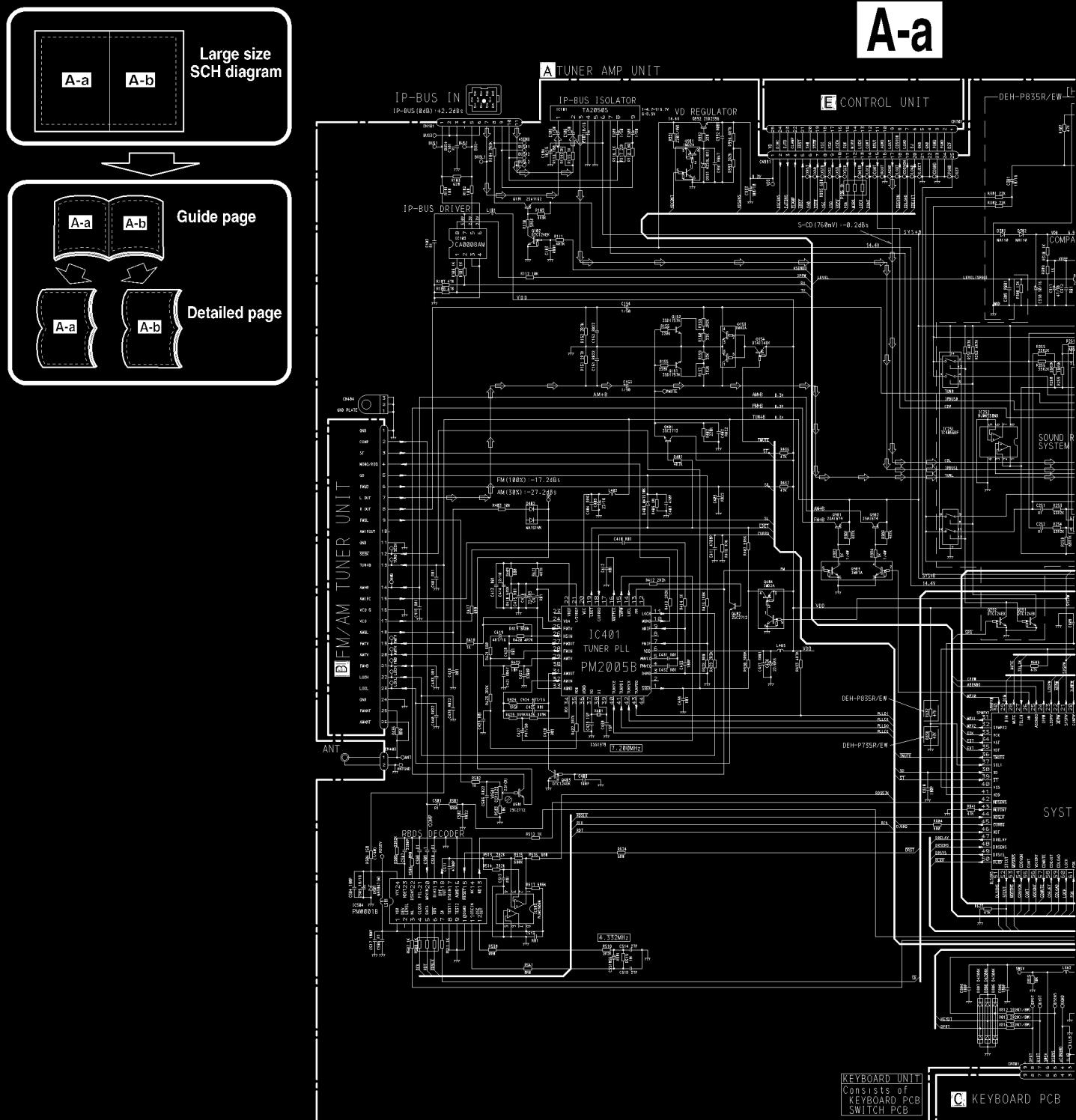
● PARTS LIST

| Mark No. | Description | Part No. | Mark No. | Description | Part No. |
|----------|----------------------|--------------|----------|-------------------------|--------------|
| 1 | Control Unit | CWX1889 | 46 | Arm | CNV4124 |
| 2 | | | 47 | Arm | CNV4125 |
| 3 | Screw | IMS26P035FMC | 48 | Gear | CNV4128 |
| 4 | Screw | BMZ20P040FMC | 49 | Gear | CNV4129 |
| 5 | Screw | BSZ20P040FMC | 50 | Gear | CNV4130 |
| 6 | Screw(M2×3) | CBA1077 | 51 | Gear | CNV4131 |
| 7 | Screw(M2×2) | CBA1250 | 52 | Arm | CNV4136 |
| 8 | Screw(M2×5) | CBA1296 | 53 | Holder | CNV4663 |
| 9 | Screw(M2×3.85) | CBA1362 | 54 | Arm | CNV4138 |
| 10 | Spring | CBH1945 | 55 | Arm | CNV4139 |
| 11 | Spring | CBH1724 | 56 | Clamper | CNV4140 |
| 12 | Spring | CBH1939 | 57 | Holder | CNV4664 |
| 13 | Spring | CBH1729 | 58 | Guide | CNV4484 |
| 14 | Spring | CBH1730 | 59 | Roller | CNV4509 |
| 15 | Spring | CBH1731 | 60 | Chassis Unit | CXA9515 |
| 16 | Spring | CBH1732 | 61 | Arm Unit | CXA8565 |
| 17 | Spring | CBH1736 | 62 | Lever Unit | CXA9300 |
| 18 | Spring | CBH1745 | 63 | Screw Unit | CXA8699 |
| 19 | Spring | CBH1832 | 64 | Gear Unit | CXA8701 |
| 20 | Spring | CBH1833 | 65 | Load Motor Unit(M3) | CXA8702 |
| 21 | Spring | CBH1848 | 66 | CRG Motor Unit(M2) | CXA8986 |
| 22 | Spring | CBH1849 | 67 | Motor Unit(M1) | CXA8912 |
| 23 | Spring | CBH1863 | 68 | Screw | JFZ20P025FMC |
| 24 | Spring | CBL1214 | 69 | Connector(CN101) | CKS1953 |
| 25 | Spring | CBL1269 | 70 | Connector(CN701) | CKS2774 |
| 26 | Connector(CN1) | CDE4576 | 71 | Connector(CN801) | CKS2196 |
| 27 | Pickup Unit(Service) | CXX1230 | * 72 | Gathering PCB | CNX2445 |
| 28 | Roller | CLA2627 | 73 | Photo-transistor(Q1, 2) | CPT-230S-X |
| 29 | Frame | CNC5796 | 74 | Sheet | CNM4873 |
| 30 | Frame | CNC5797 | 75 | Cushion | CNM3917 |
| 31 | Arm | CNC5799 | 76 | Screw | BMZ20P025FMC |
| 32 | Arm | CNC5801 | 77 | ELBO Arm Assy | CXA8889 |
| 33 | Bracket | CNC5871 | 78 | Load Motor Assy | CXA8891 |
| 34 | Lever | CNC6054 | 79 | LO Arm Assy | CXA8892 |
| 35 | Bracket | CNC6056 | 80 | Guide Arm Assy | CXA8893 |
| * 36 | Bracket | CNC6376 | | | |
| 37 | Spacer | CNM3315 | | | |
| 38 | Sheet | CNM4849 | | | |
| 39 | PCB | CNP4230 | | | |
| 40 | Bearing | CNR1415 | | | |
| 41 | Belt | CNT1071 | | | |
| 42 | Damper | CNV3974 | | | |
| 43 | Arm | CNV4120 | | | |
| 44 | Arm | CNV4122 | | | |
| 45 | Arm | CNV4123 | | | |

3. SCHEMATIC DIAGRAM

3.1 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".



A-b

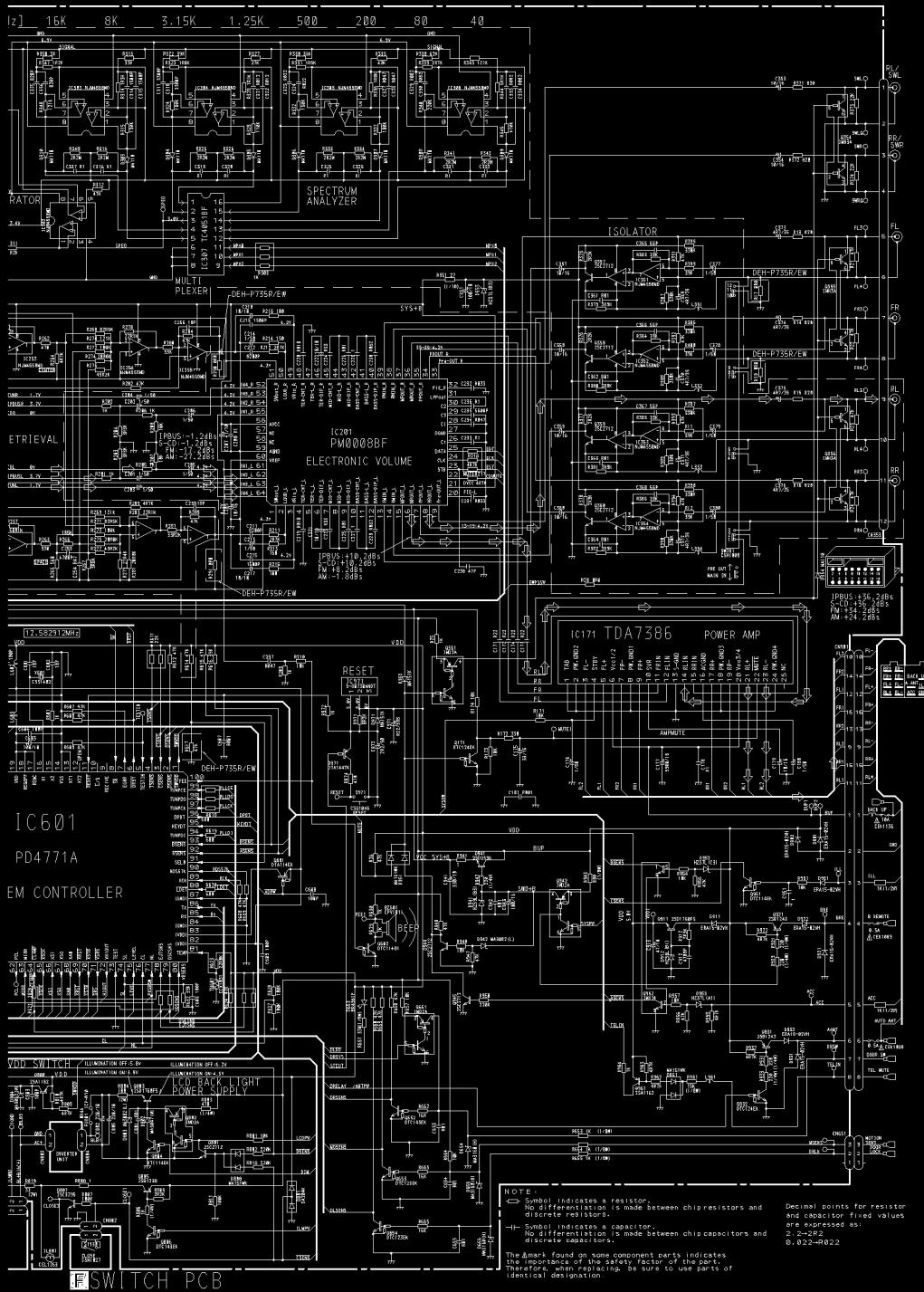
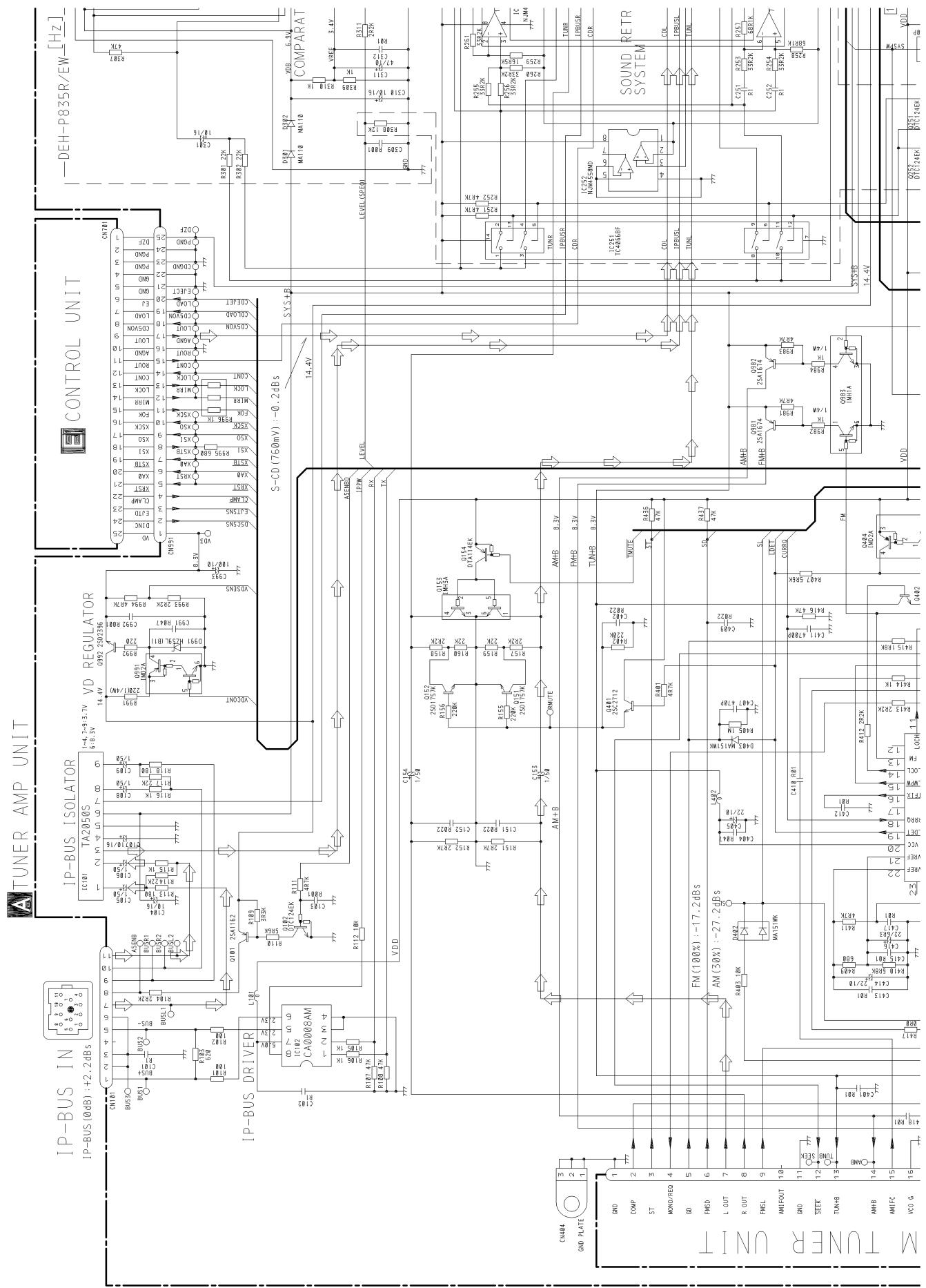


Fig. 4

A F

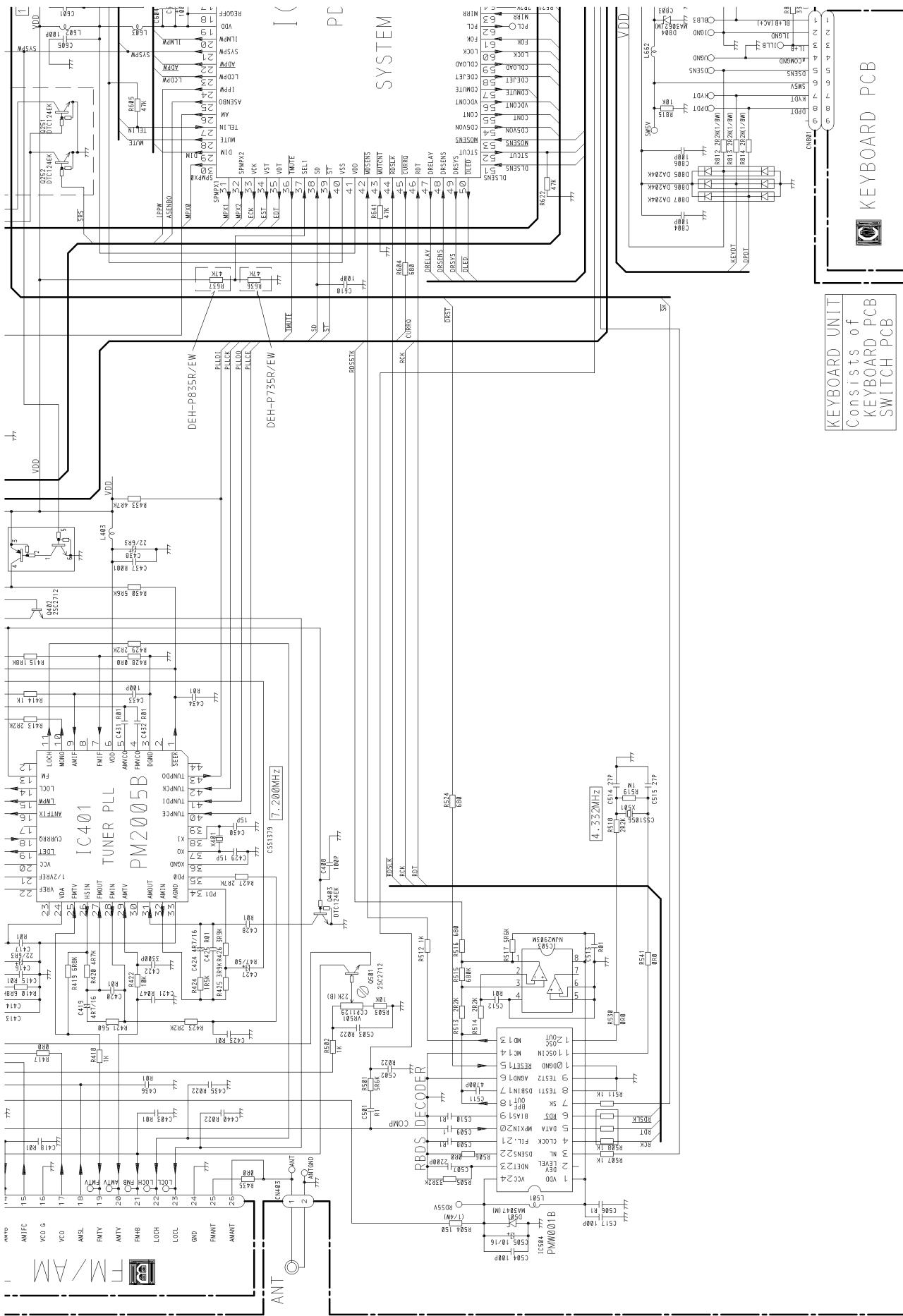
DEH-P835R, P735R

A-b



A-a

DEH-P835R,P735R



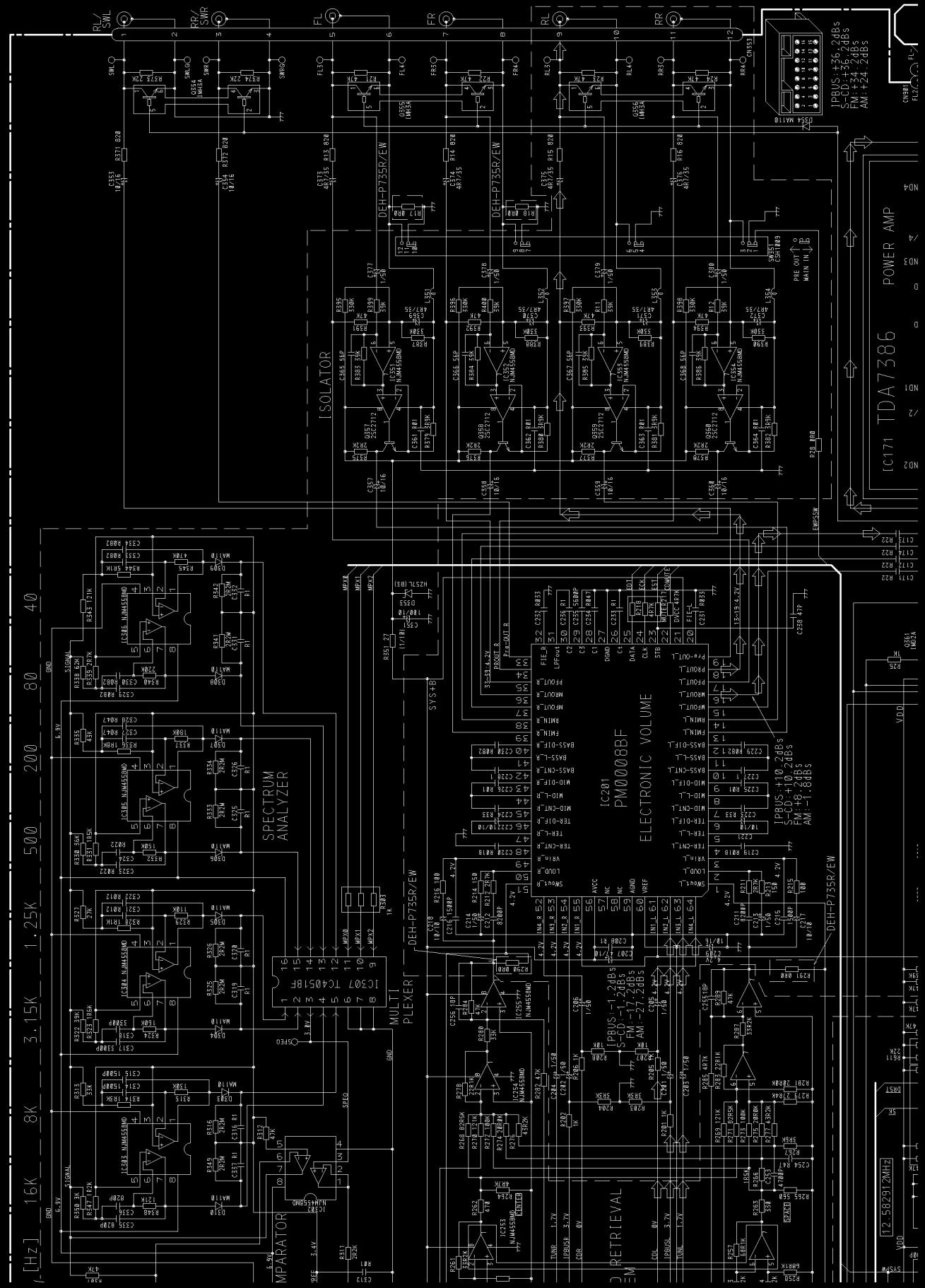
A-b
A-a

Fig. 5

A-a

DEH-P835R, P735R

A-a A-b



DEH-P835R,P735R

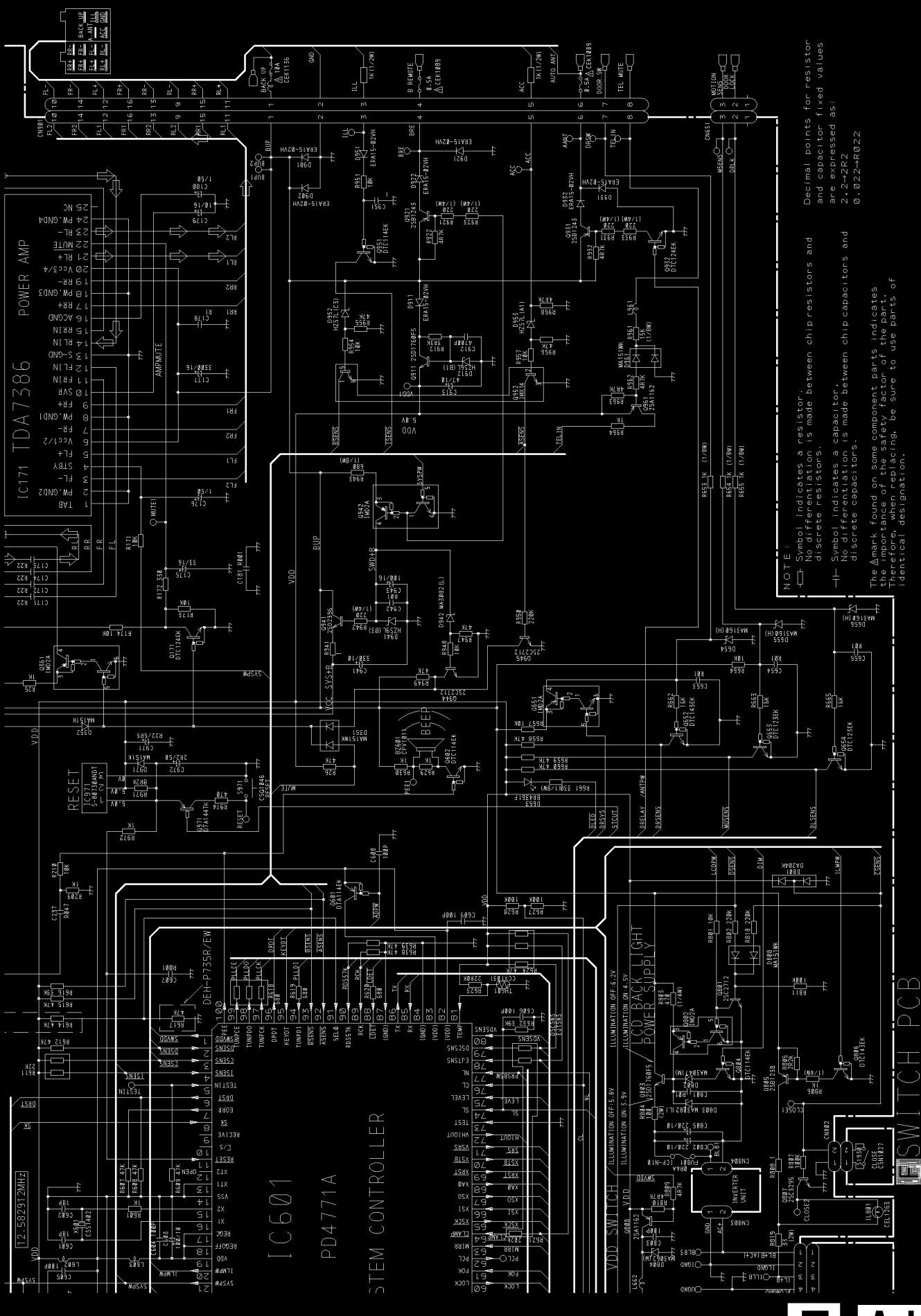
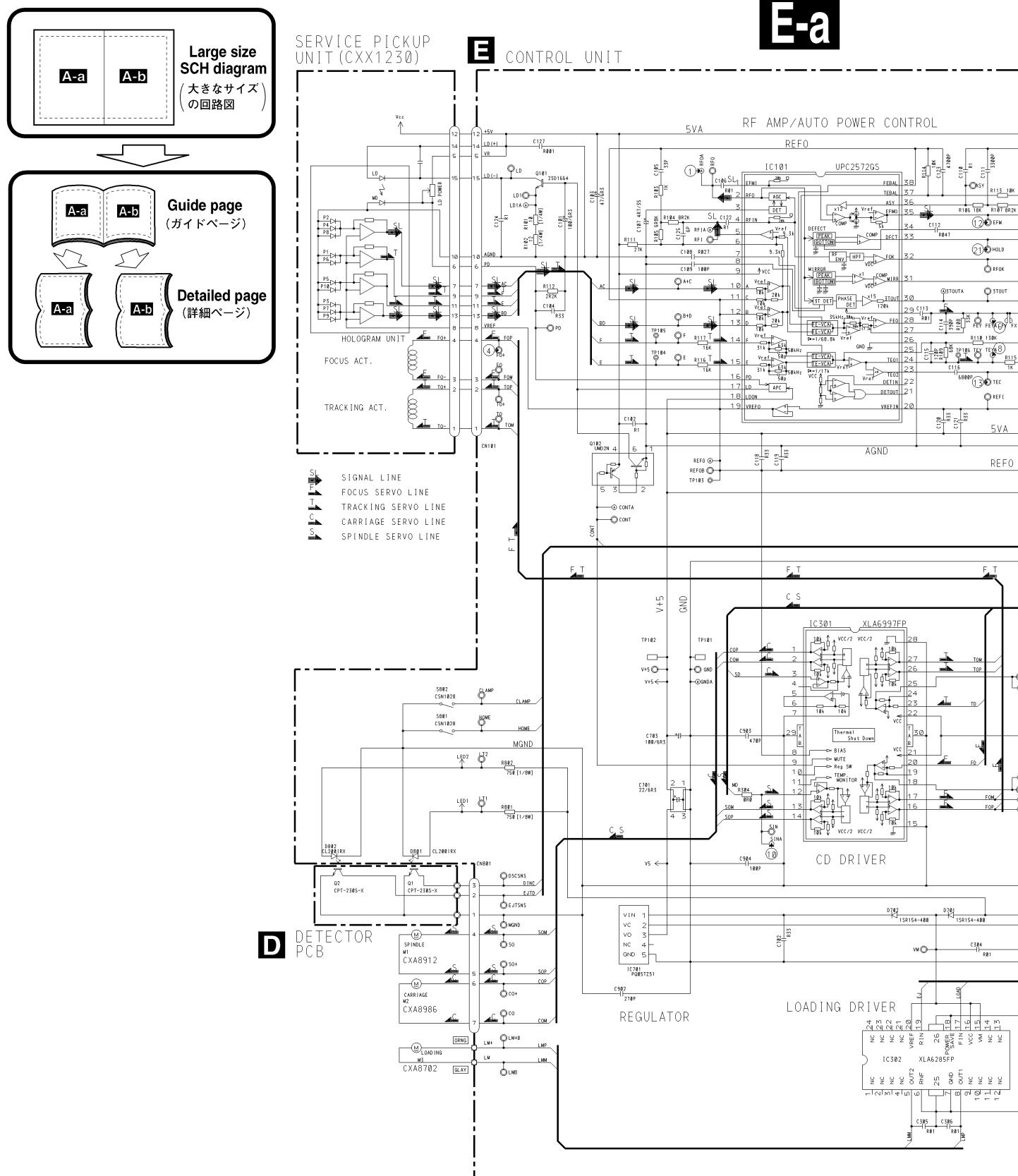


Fig. 6

15

3.2 CD MECHANISM MODULE(GUIDE PAGE)



E-b

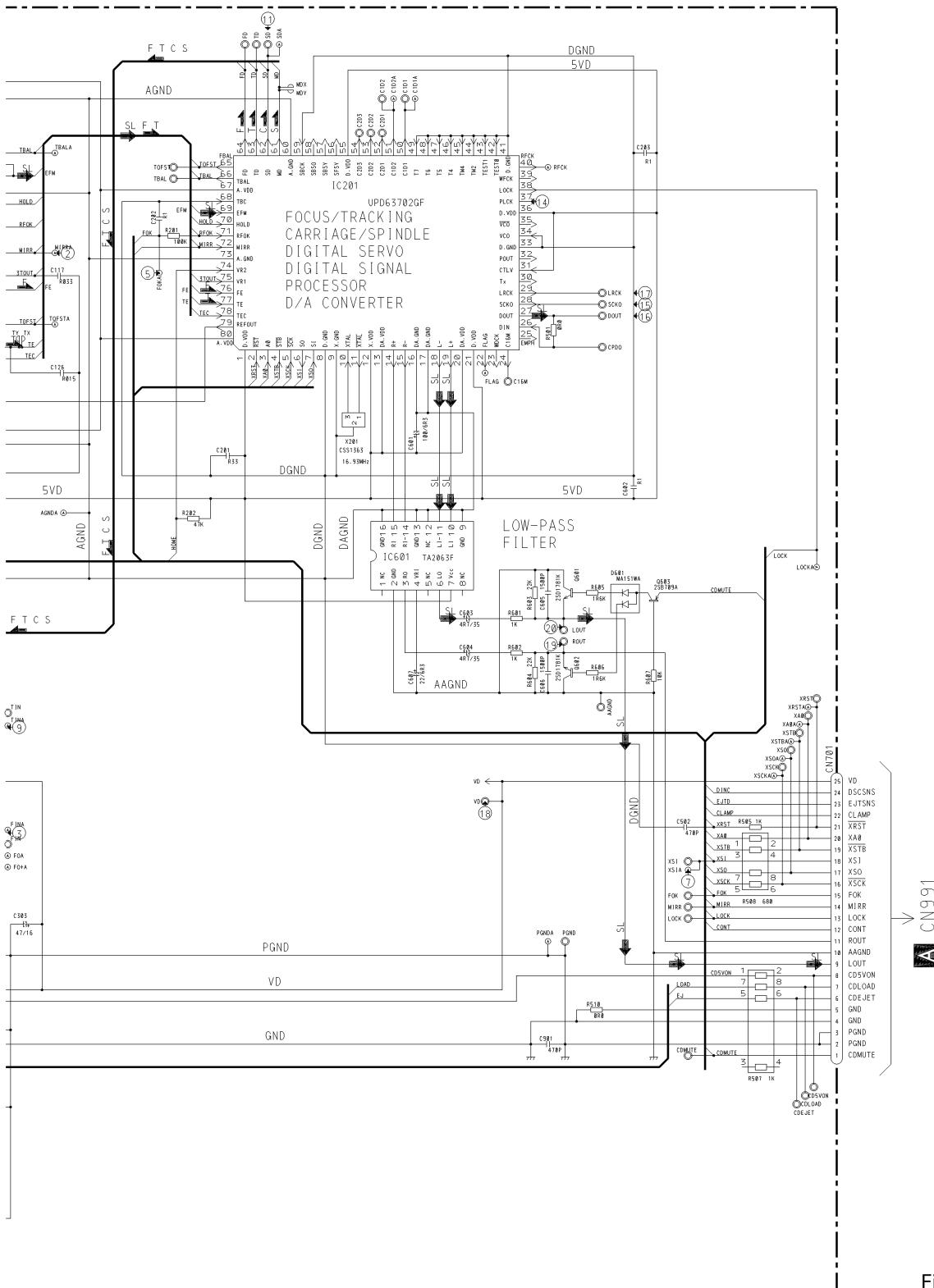
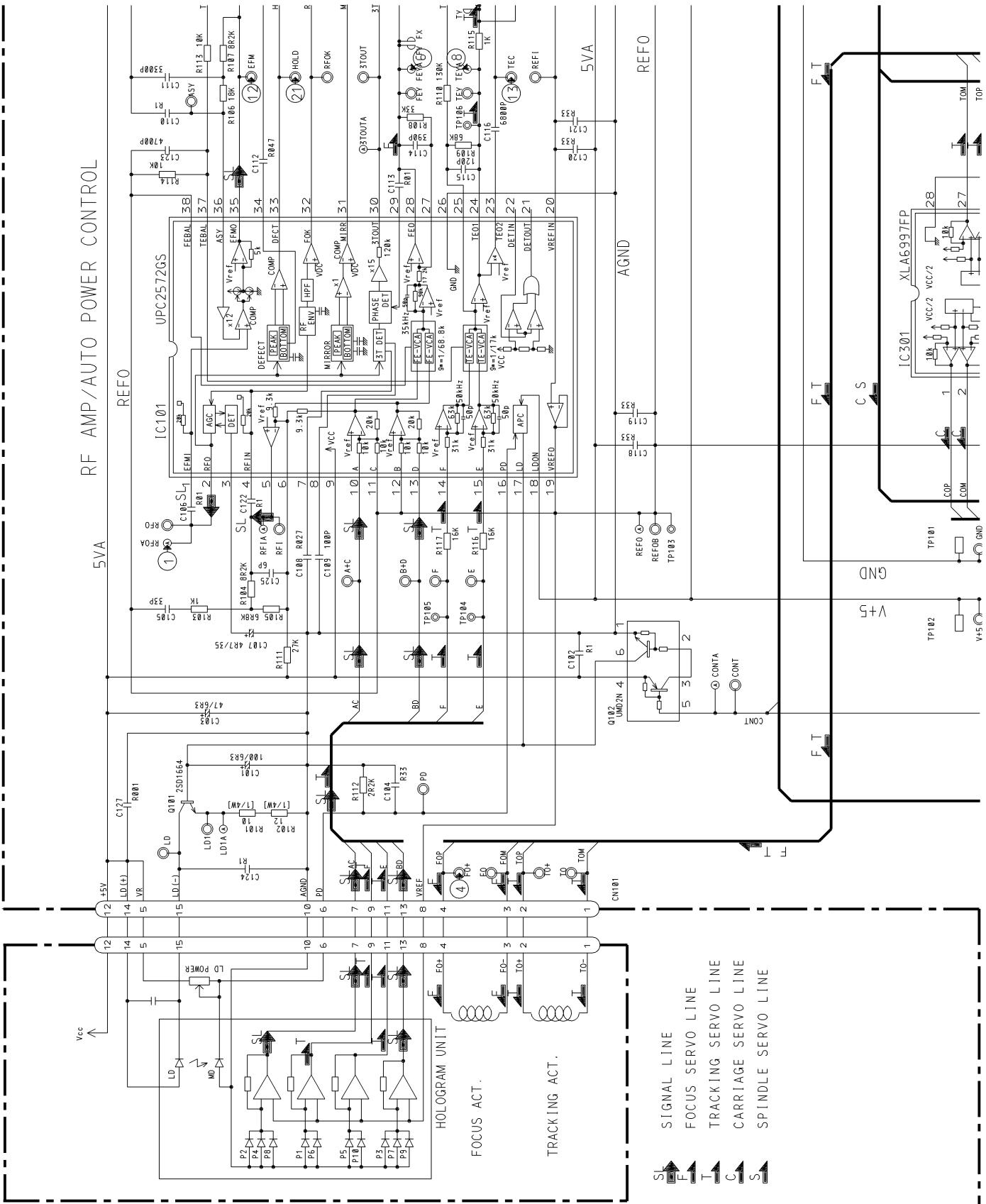


Fig. 7

SERVICE PICKUP
UNIT (CXX1230)

E CONTROL UNIT



TRACKING ACT.

E-a

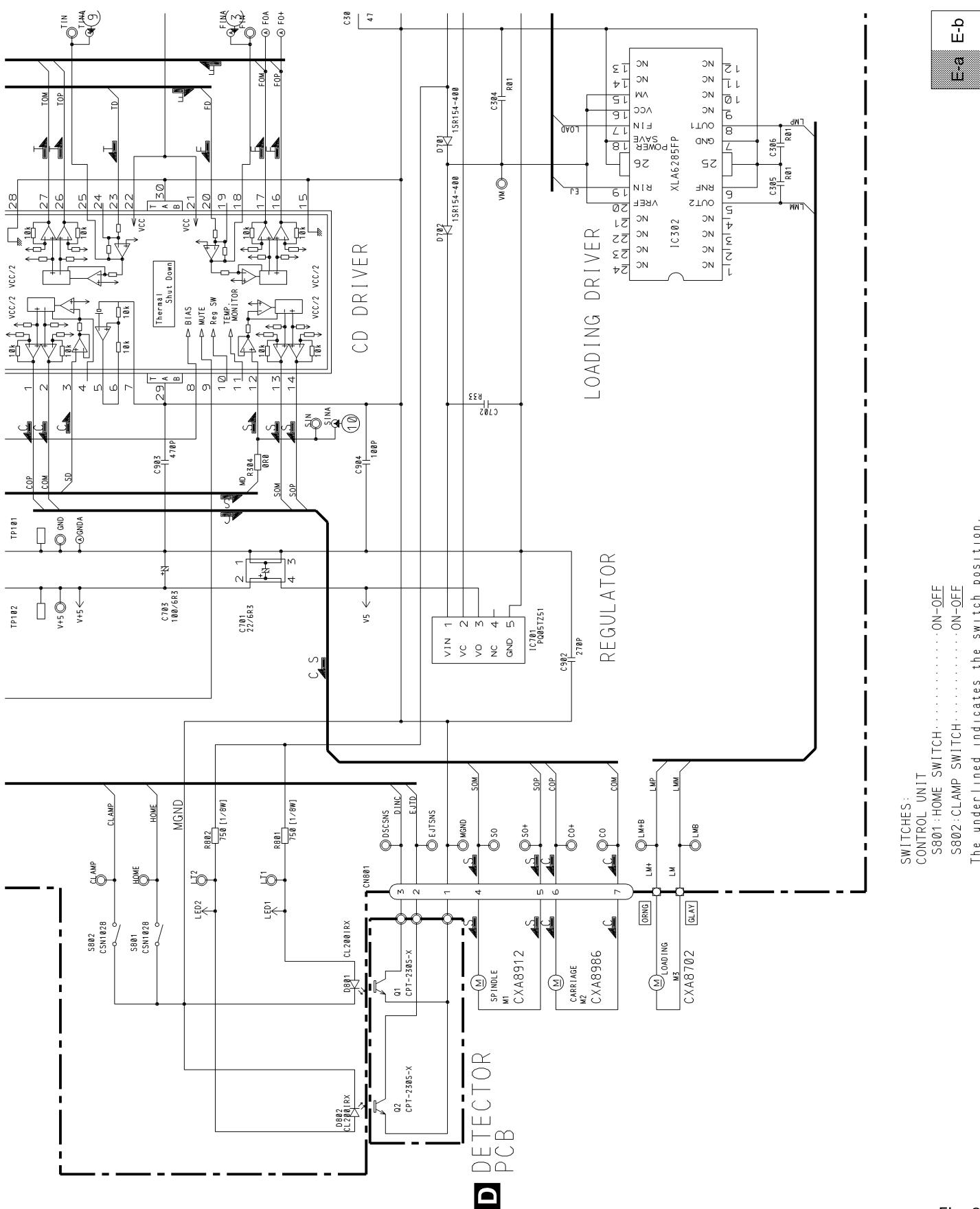


Fig. 8

SWITCHES:
CONTROL UN

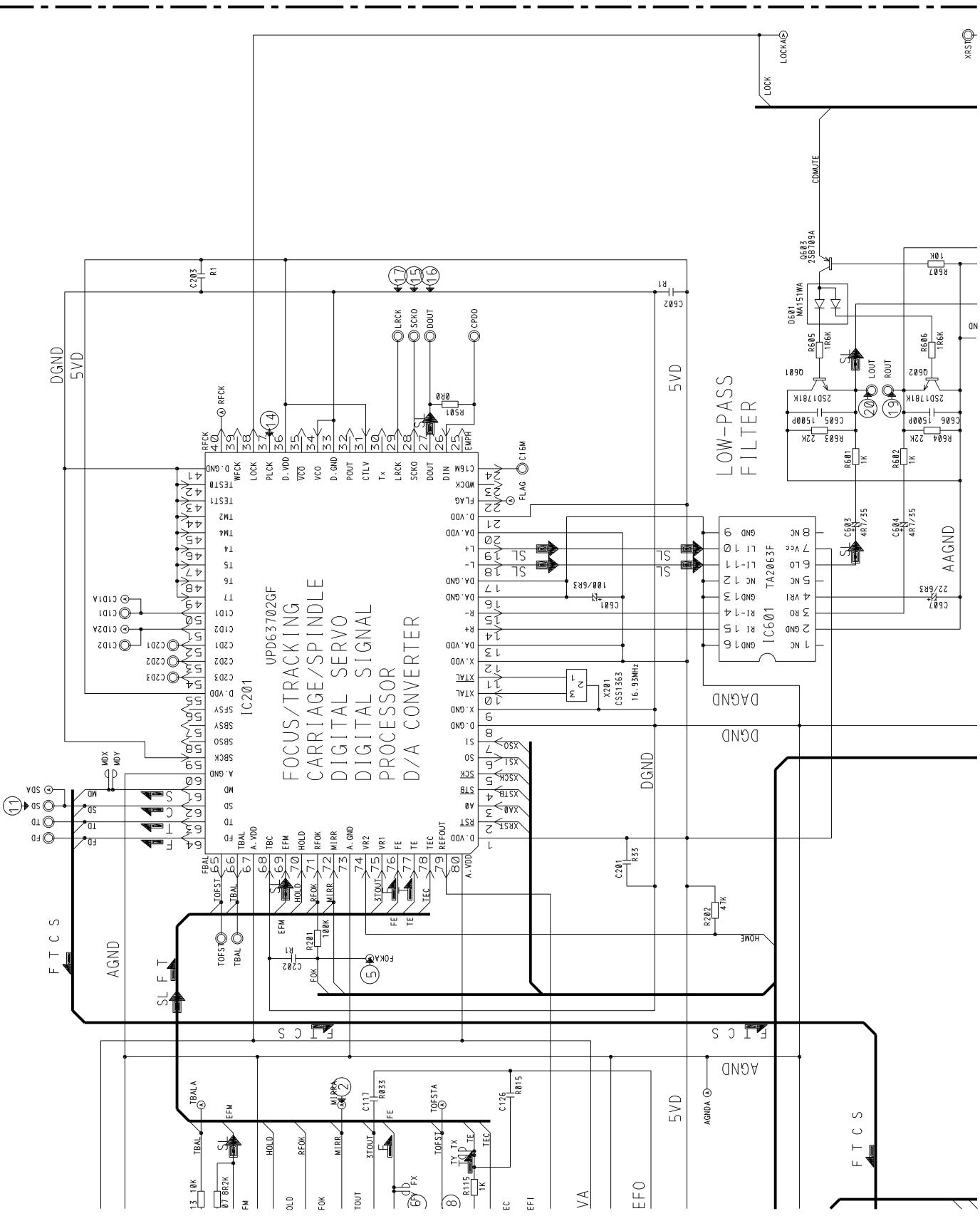
S801 : HOME SWITCH
S802 : C1 AMP SWITCH

The Underlined indicates the switch does not have a function.

19

DEH-P835R, P735R

E-a E-b



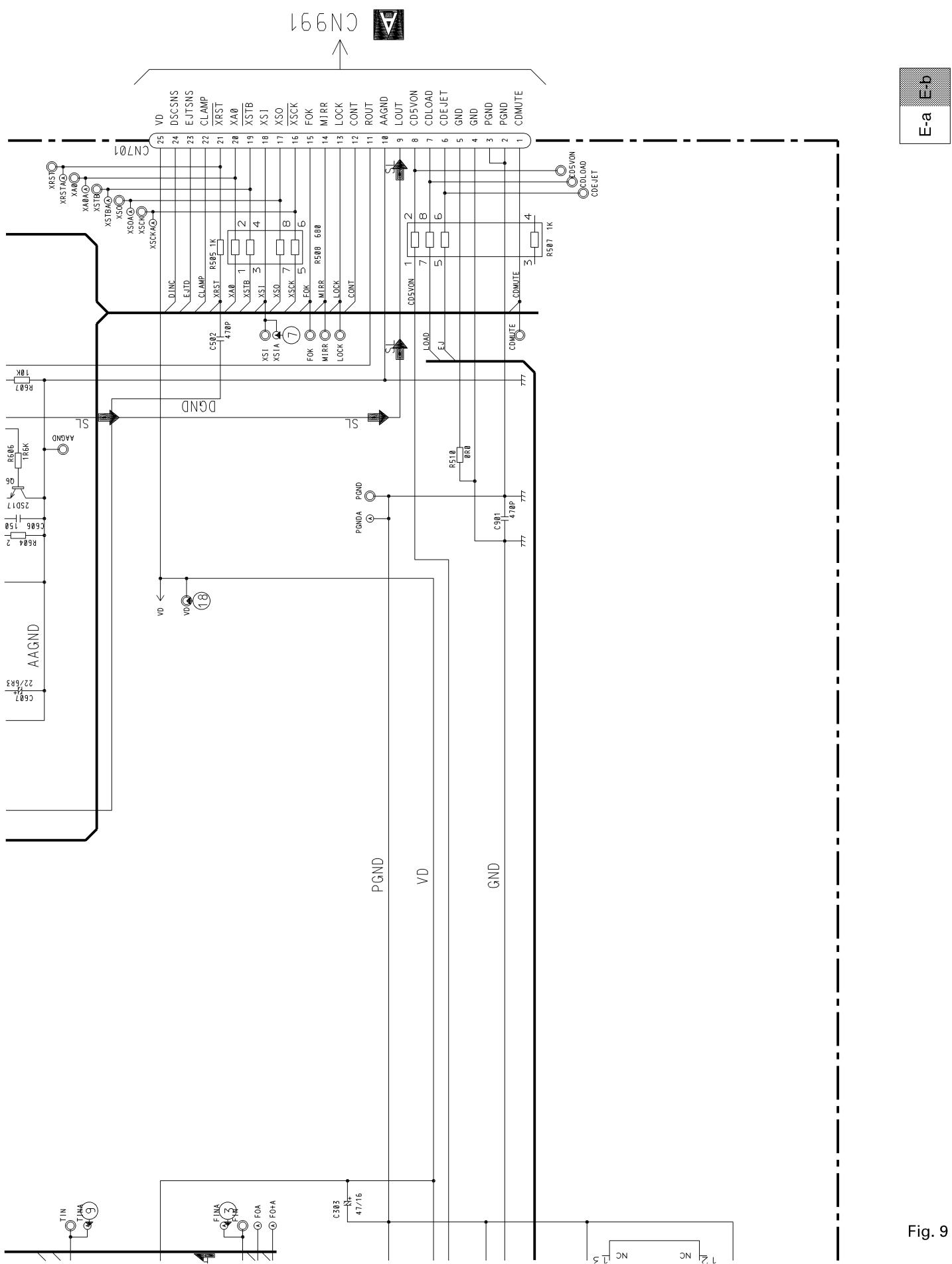


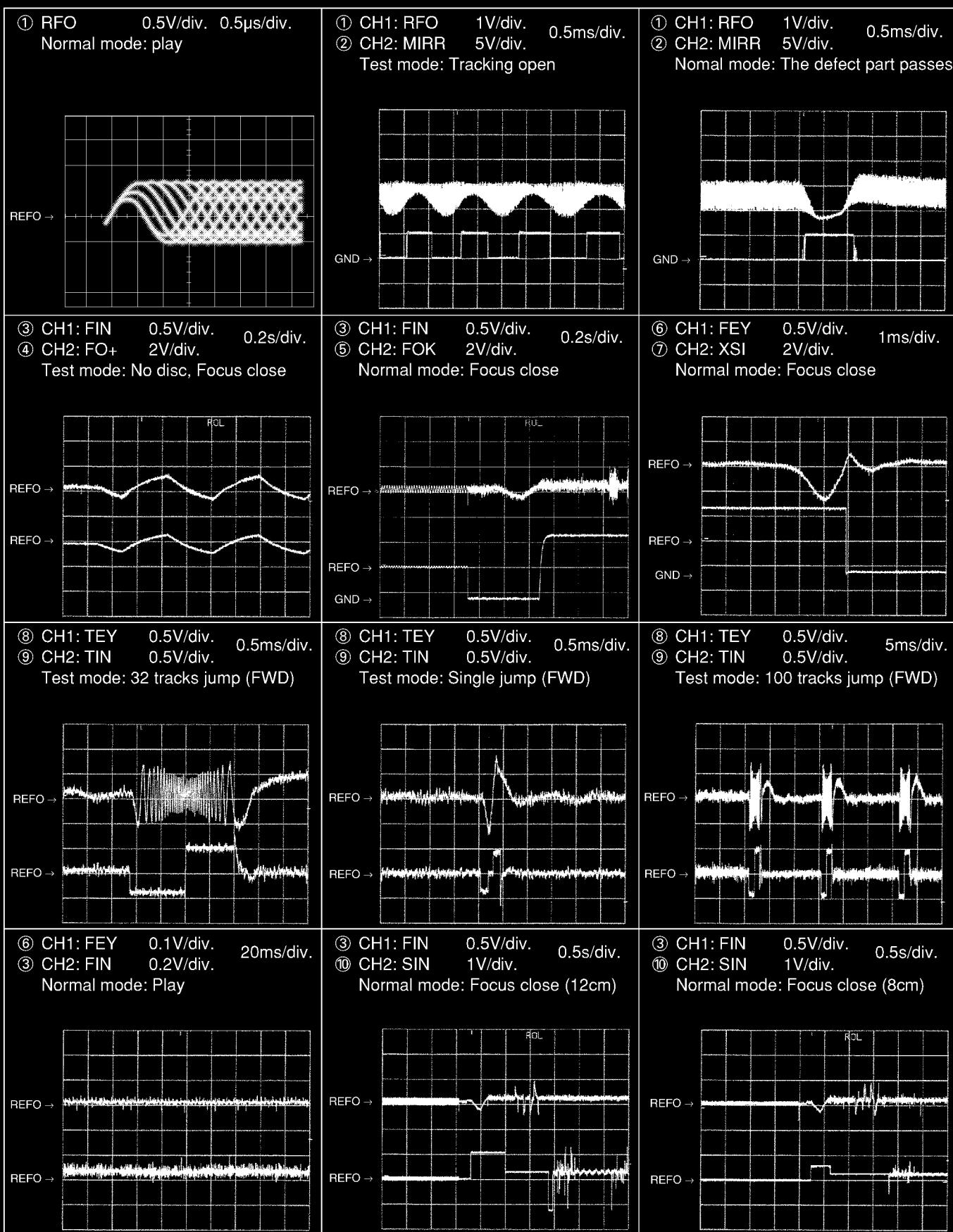
Fig. 9

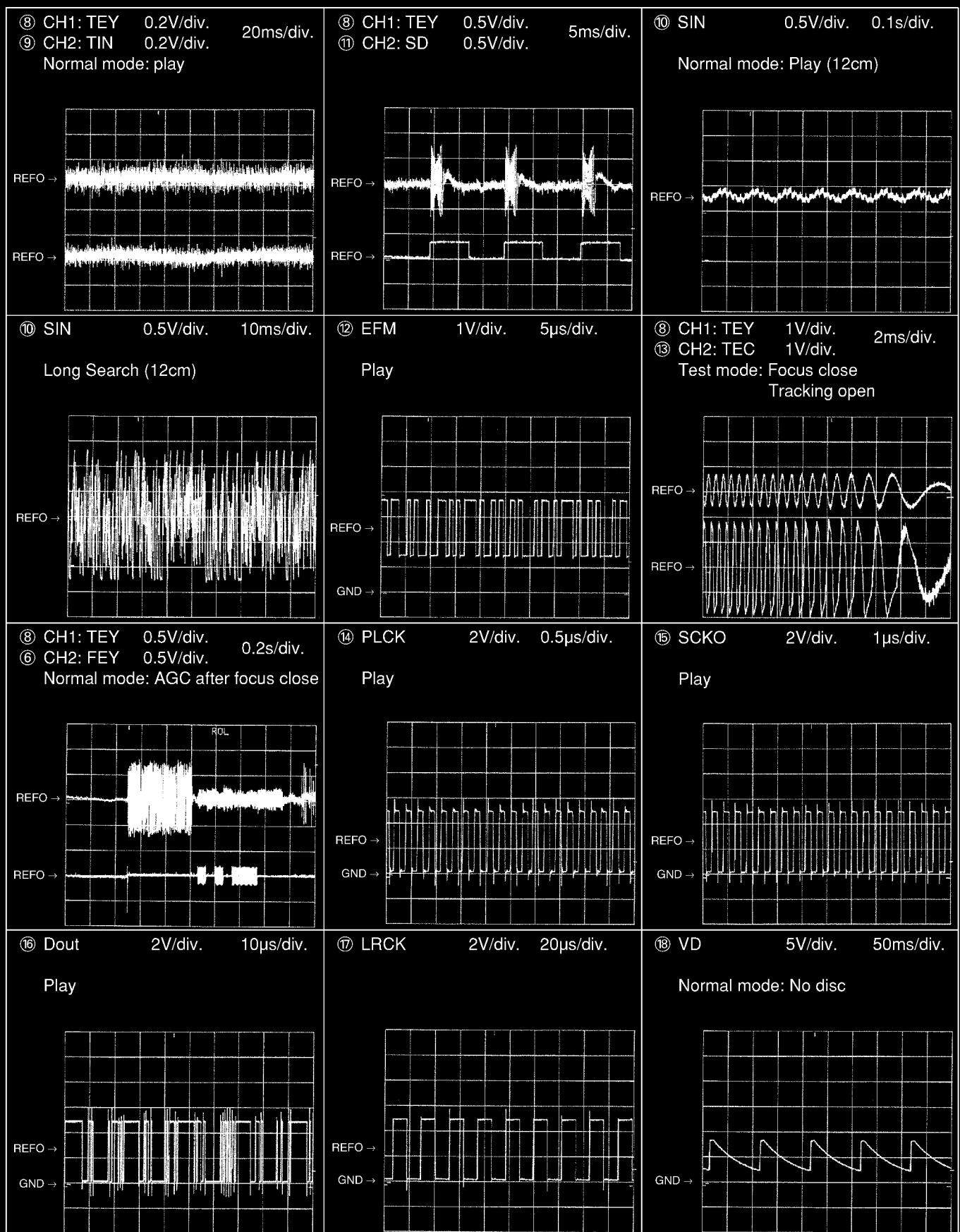
E-b

DEH-P835R, P735R

Note:1. The encircled numbers denote measuring pointes in the circuit diagram.
 2. Reference voltage
 REFO:2.5V

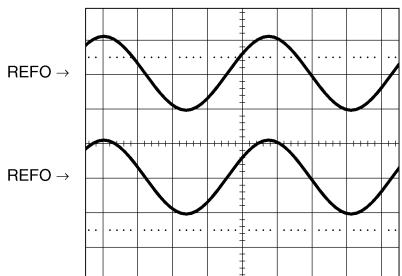
● Waveforms



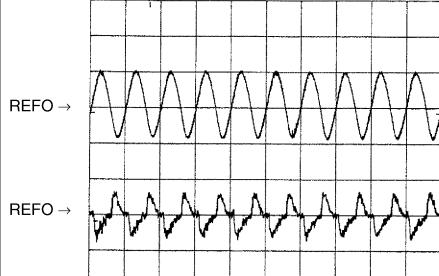


DEH-P835R, P735R

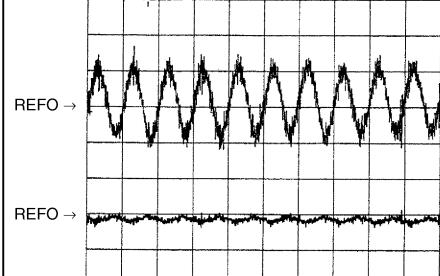
⑯ CH1: R OUT 1V/div. 0.2ms/div.
 ⑰ CH2: L OUT 1V/div. 0.2ms/div.
 Normal mode: Play (1kHz 0dB)



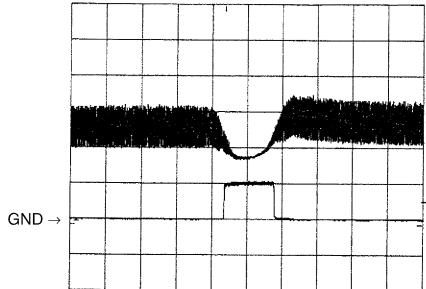
⑥ CH1: FEY 0.2V/div. 1ms/div.
 ⑦ CH2: FIN 0.5V/div. 1ms/div.
 Normal mode: During AGC



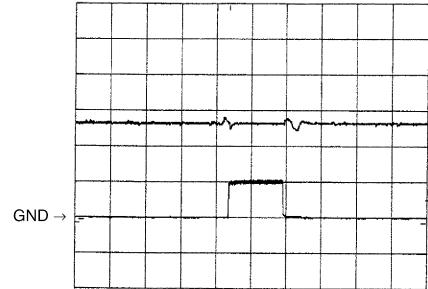
⑧ CH1: TEY 0.2V/div. 1ms/div.
 ⑨ CH2: TIN 0.5V/div. 1ms/div.



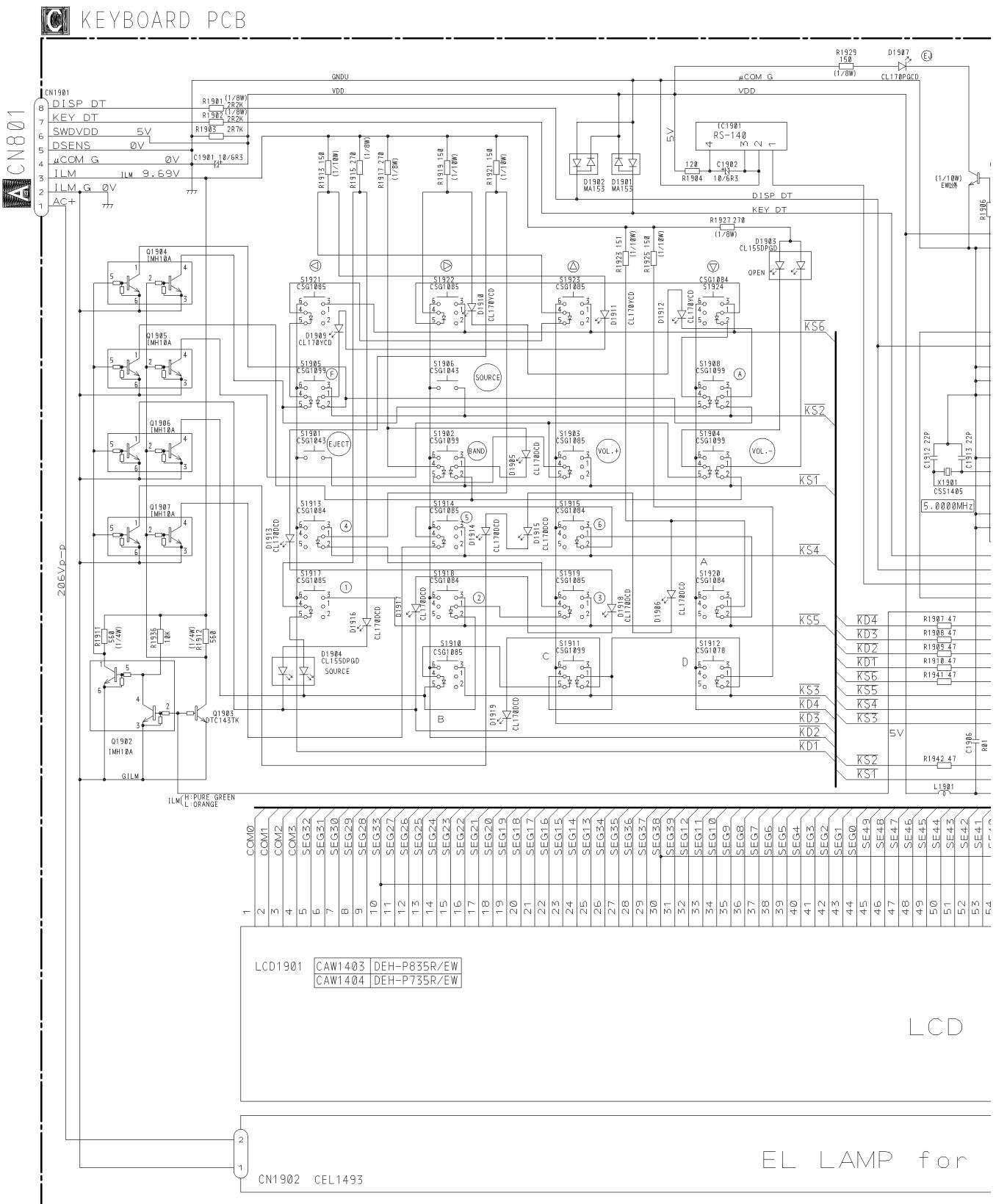
① CH1: RFO 1V/div. 0.5ms/div.
 ⑫ CH2: HOLD 5V/div. 0.5ms/div.
 Normal mode: The defect part passes 800μm

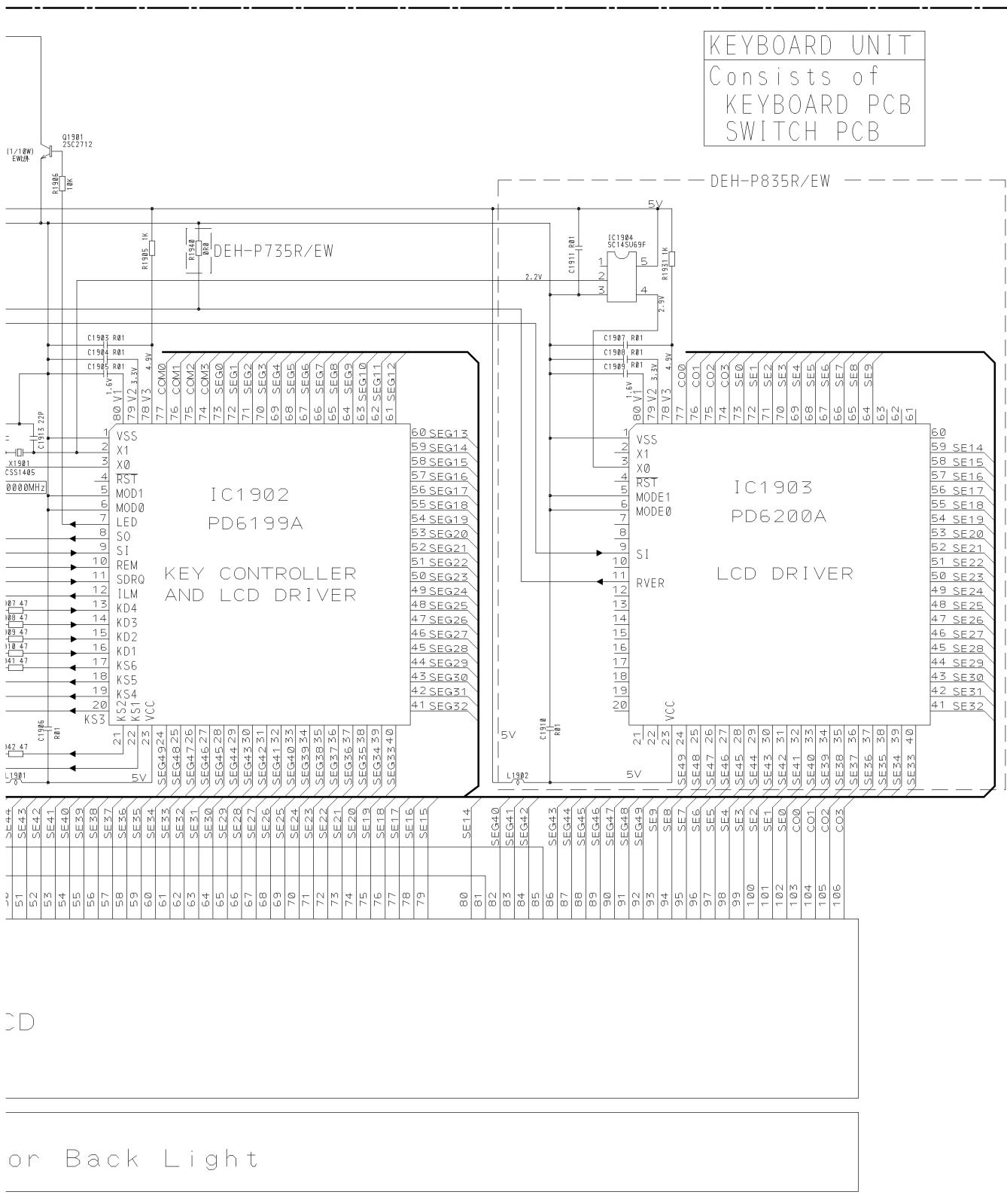


③ CH1: FIN 1V/div. 0.5ms/div.
 ⑭ CH2: HOLD 5V/div. 0.5ms/div.
 Normal mode: The defect part passes 800μm



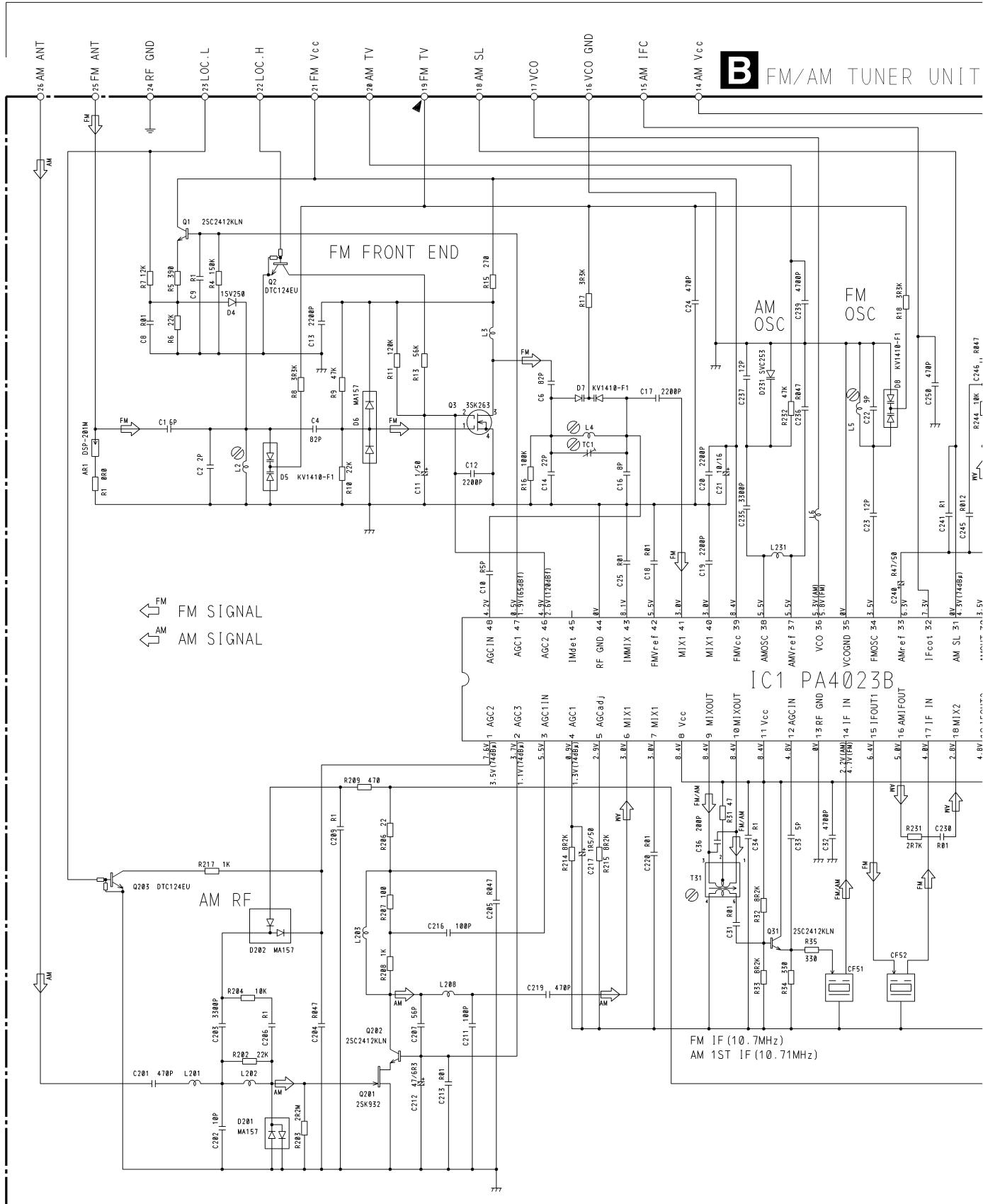
3.3 KEYBOARD PCB





3.4 FM/AM TUNER UNIT

A



B

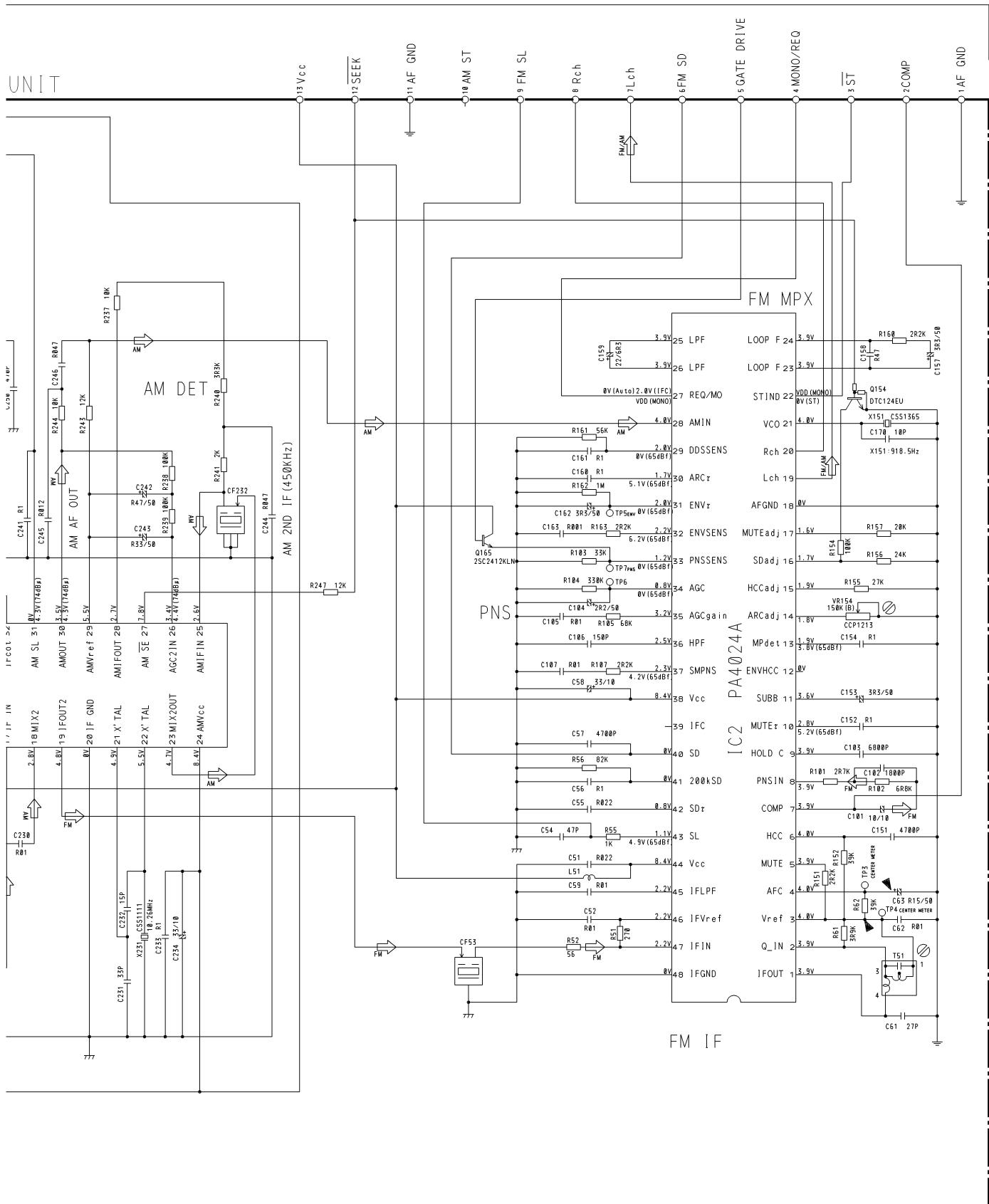


Fig. 11

4. PCB CONNECTION DIAGRAM

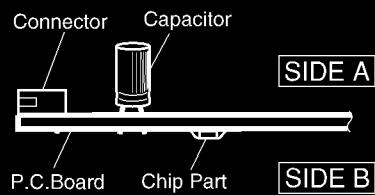
4.1 TUNER AMP UNIT

NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.

For further information for respective destinations, be sure to check with the schematic diagram.

- ## 2. Viewpoint of PCB diagrams



SIDE A

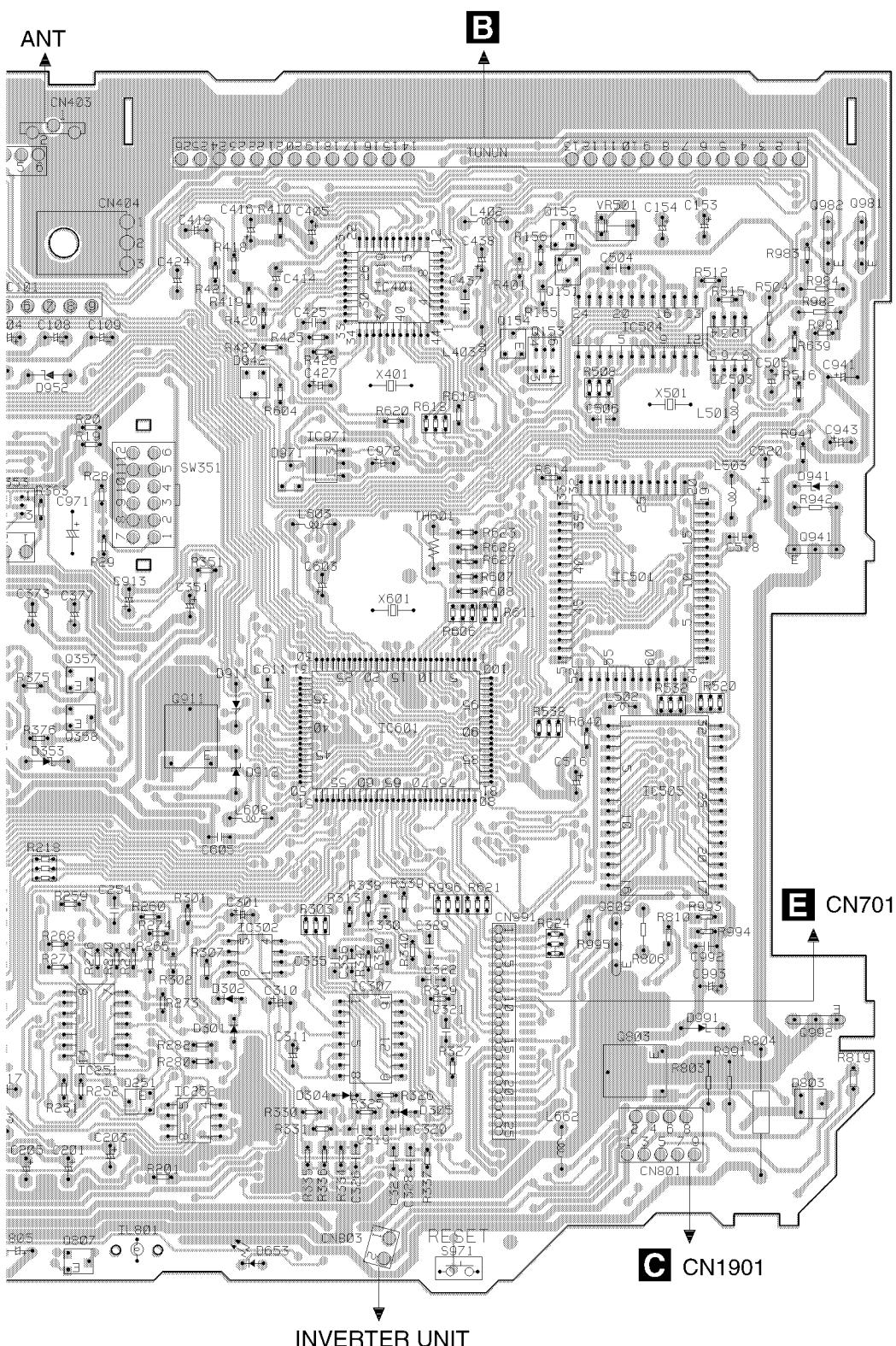
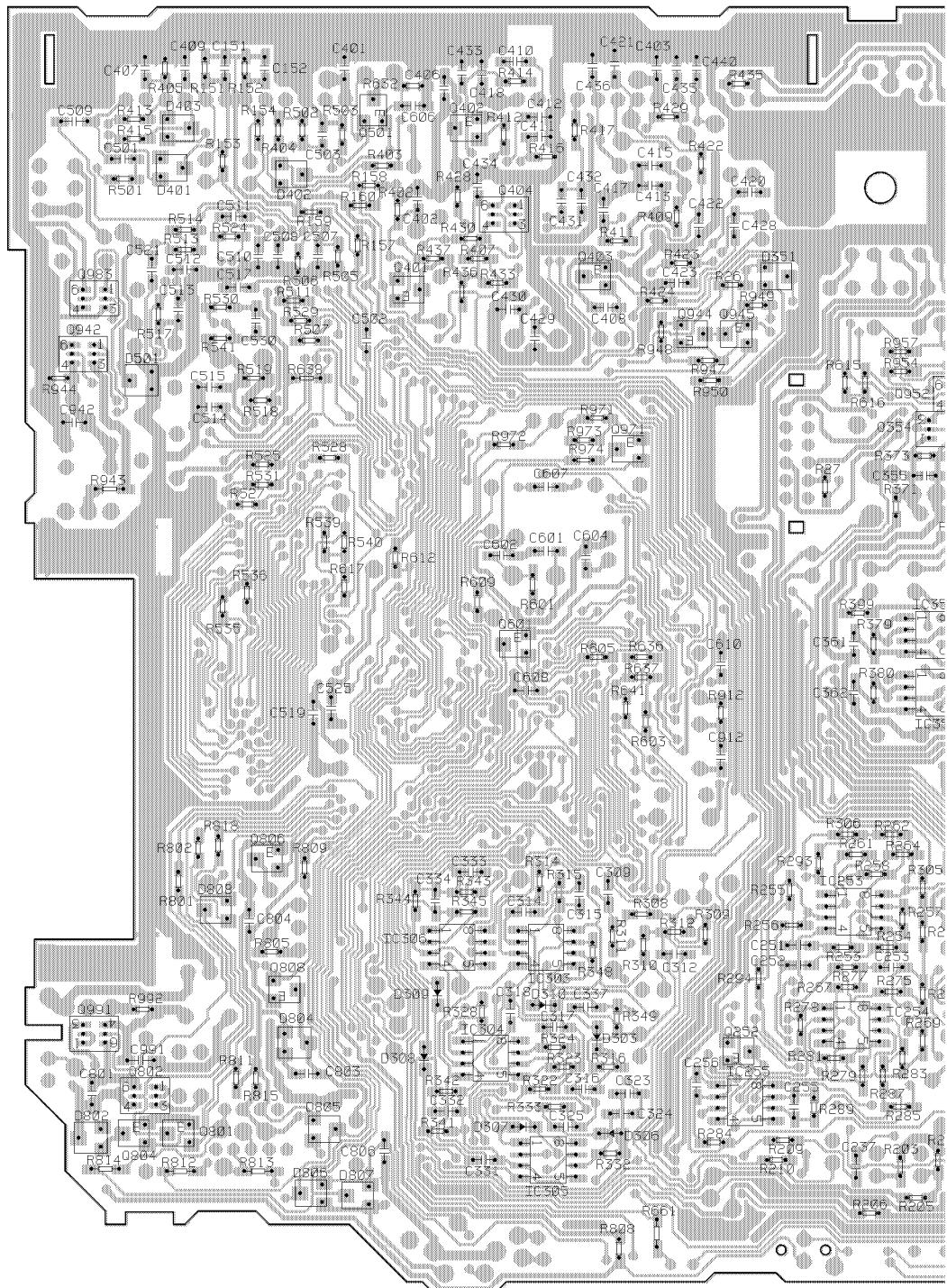


Fig. 12

A

31

A



32

A

SIDE B

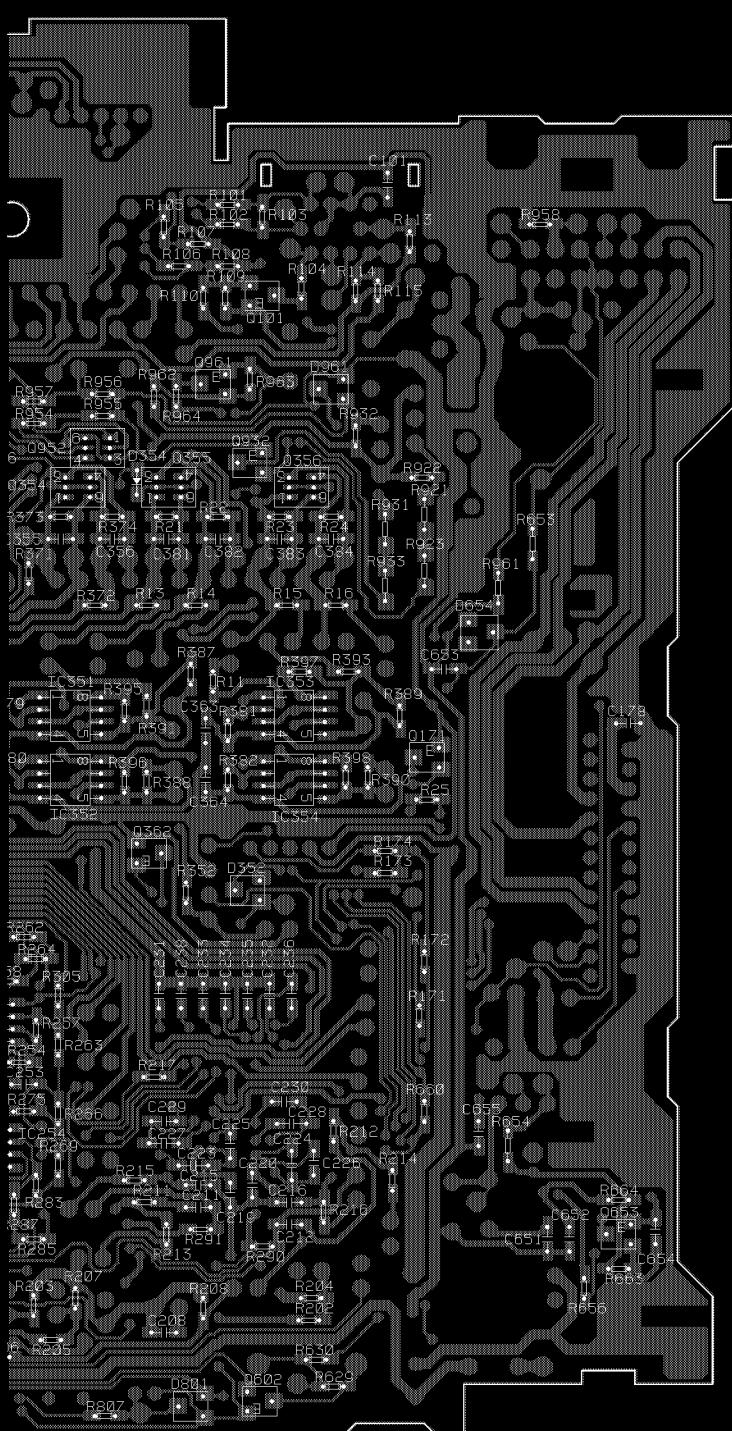


Fig. 13

4.2 CD MECHANISM MODULE

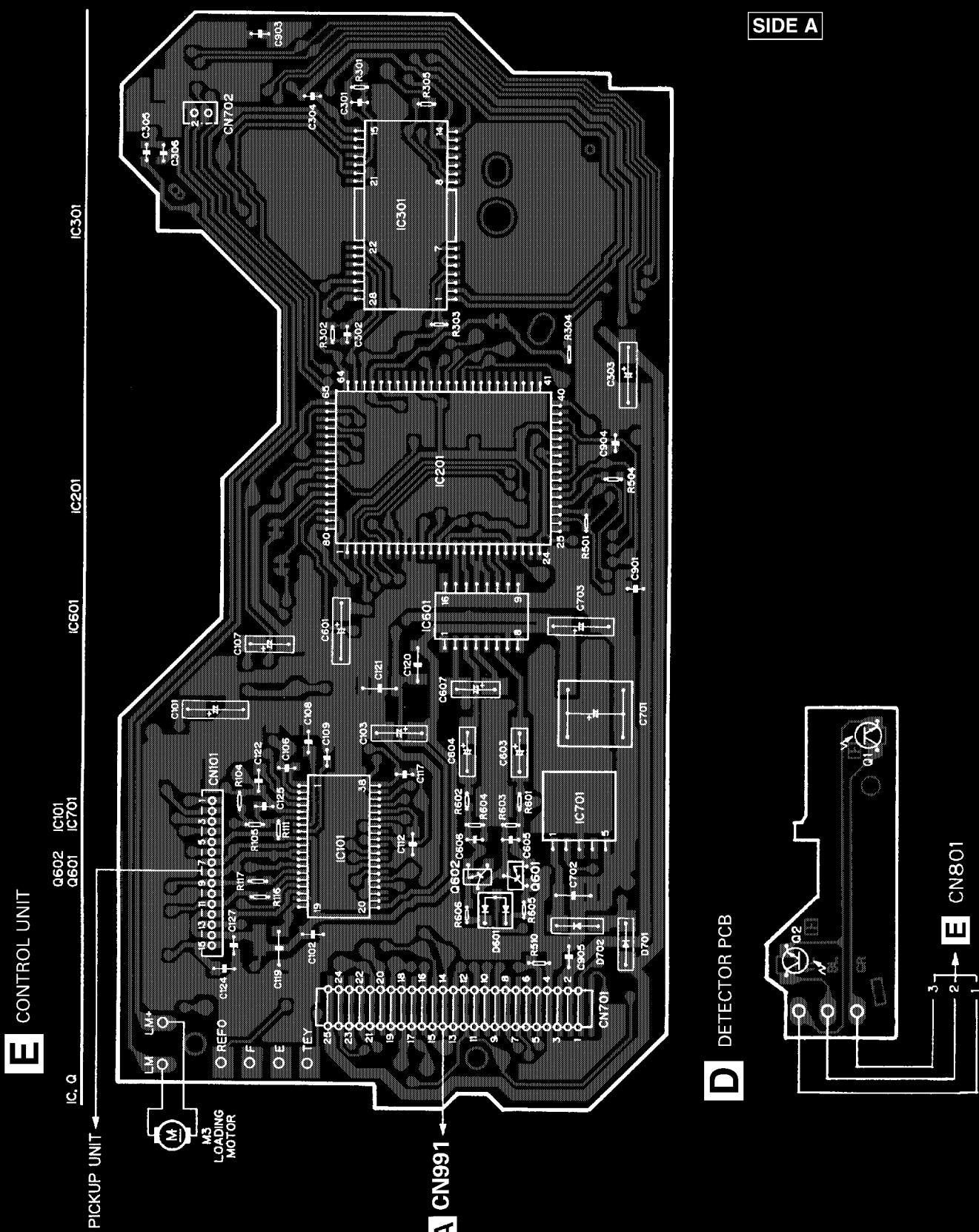


Fig. 14

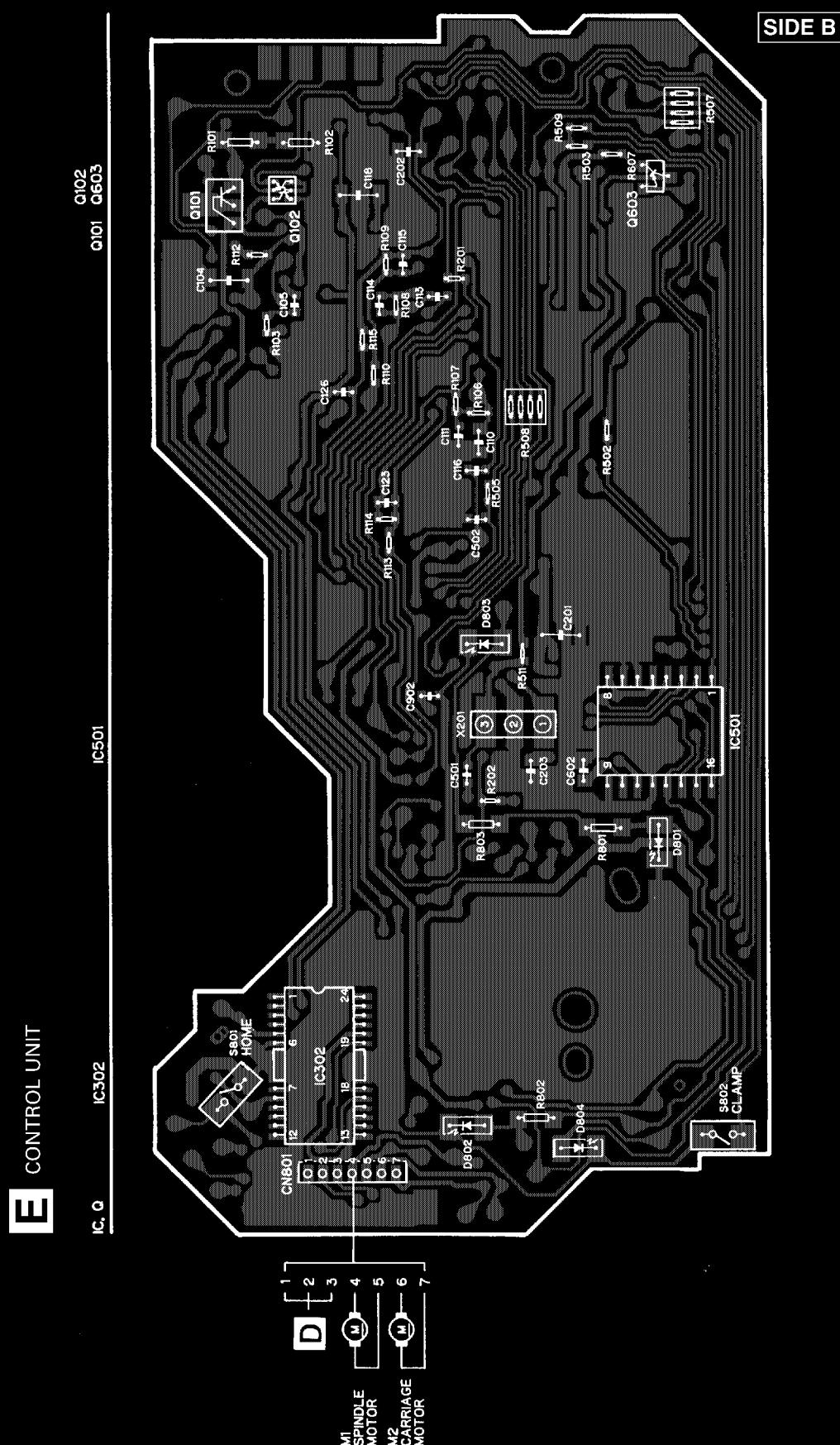


Fig. 15

4.3 KEYBOARD PCB(DEH-P835R/EW)

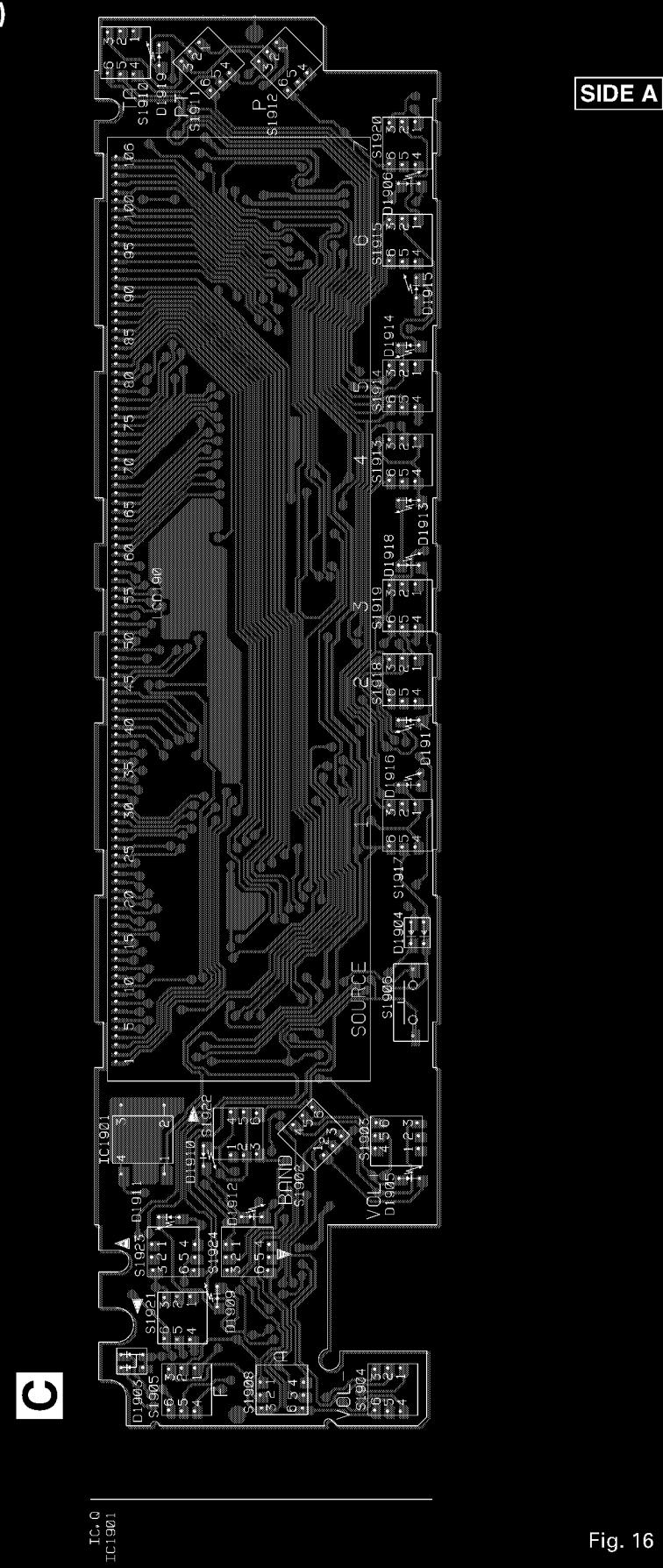


Fig. 16

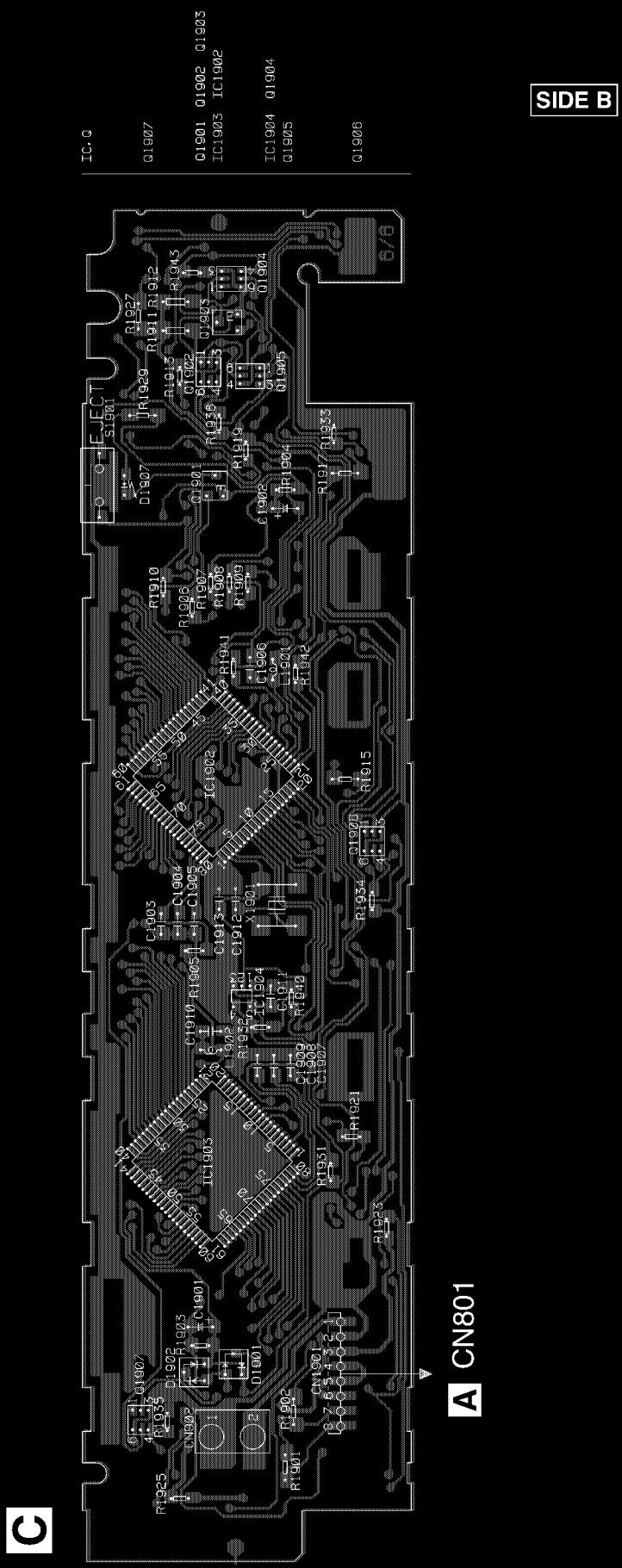
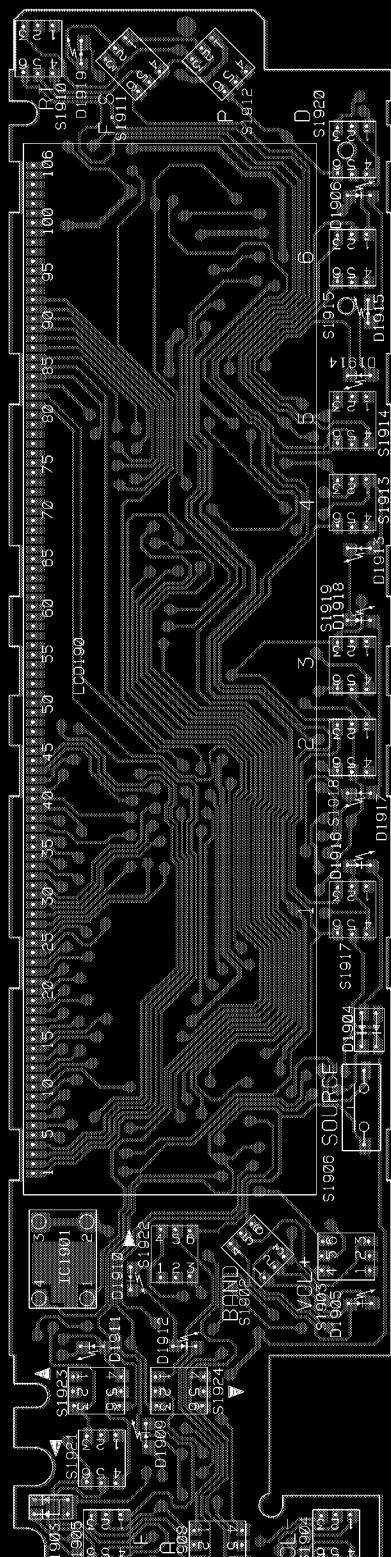


Fig. 17

4.4 KEYBOARD PCB(DEH-P735R/EW)

SIDE A



C

IC Q

IC 1901

Fig. 18

4.5 SWITCH PCB

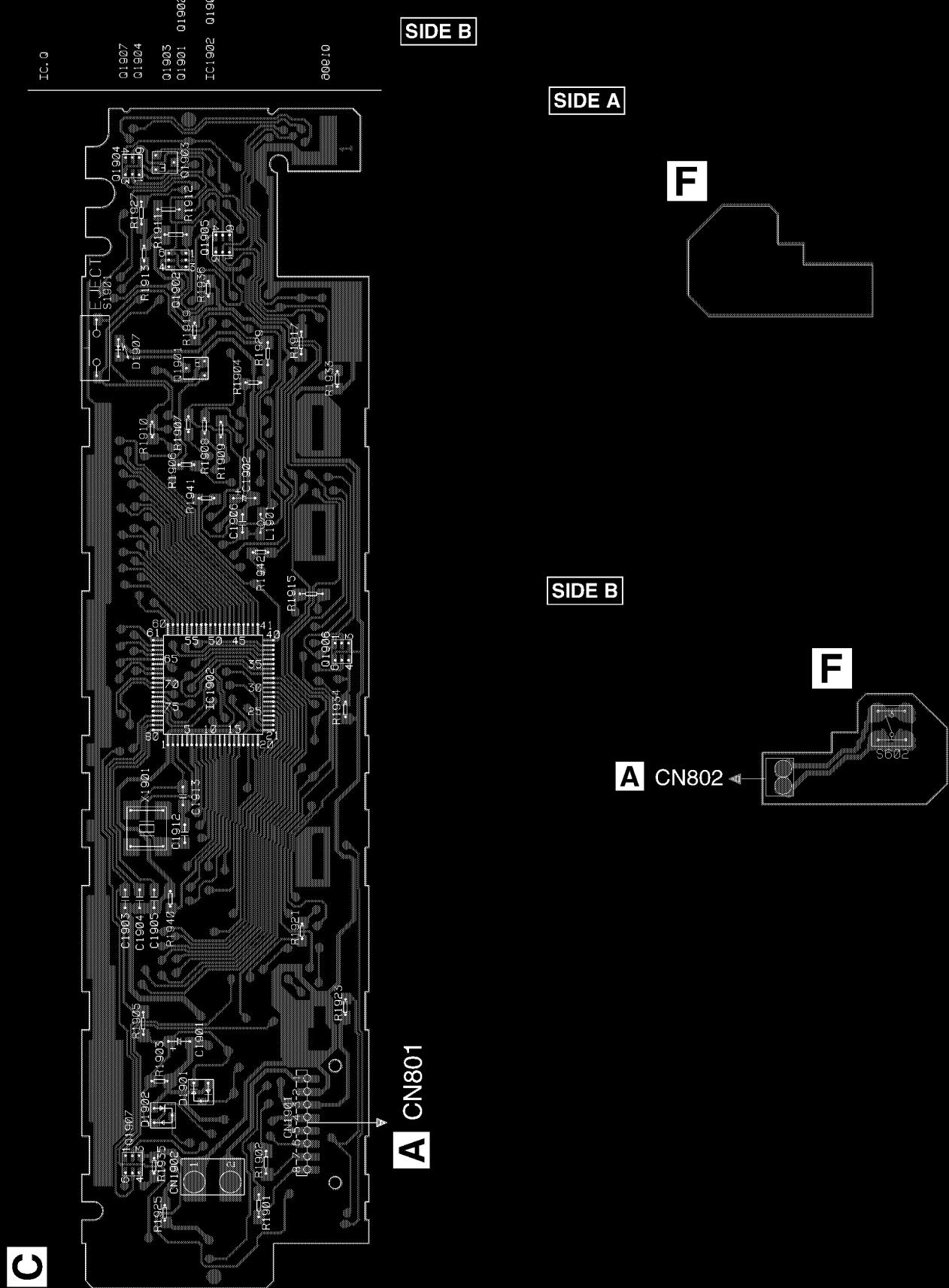


Fig. 19

39

4.6 FM/AM TUNER UNIT

SIDE A

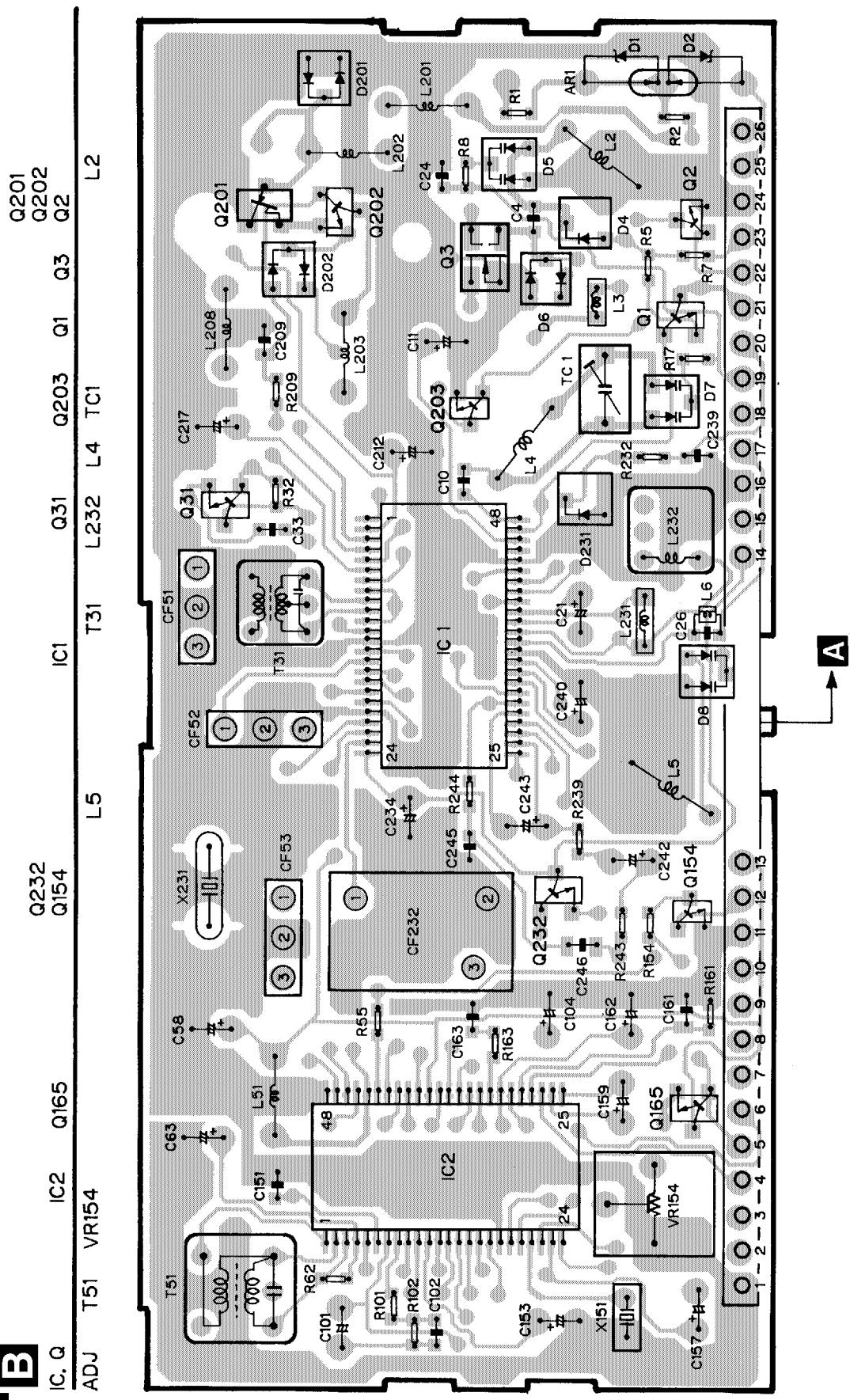
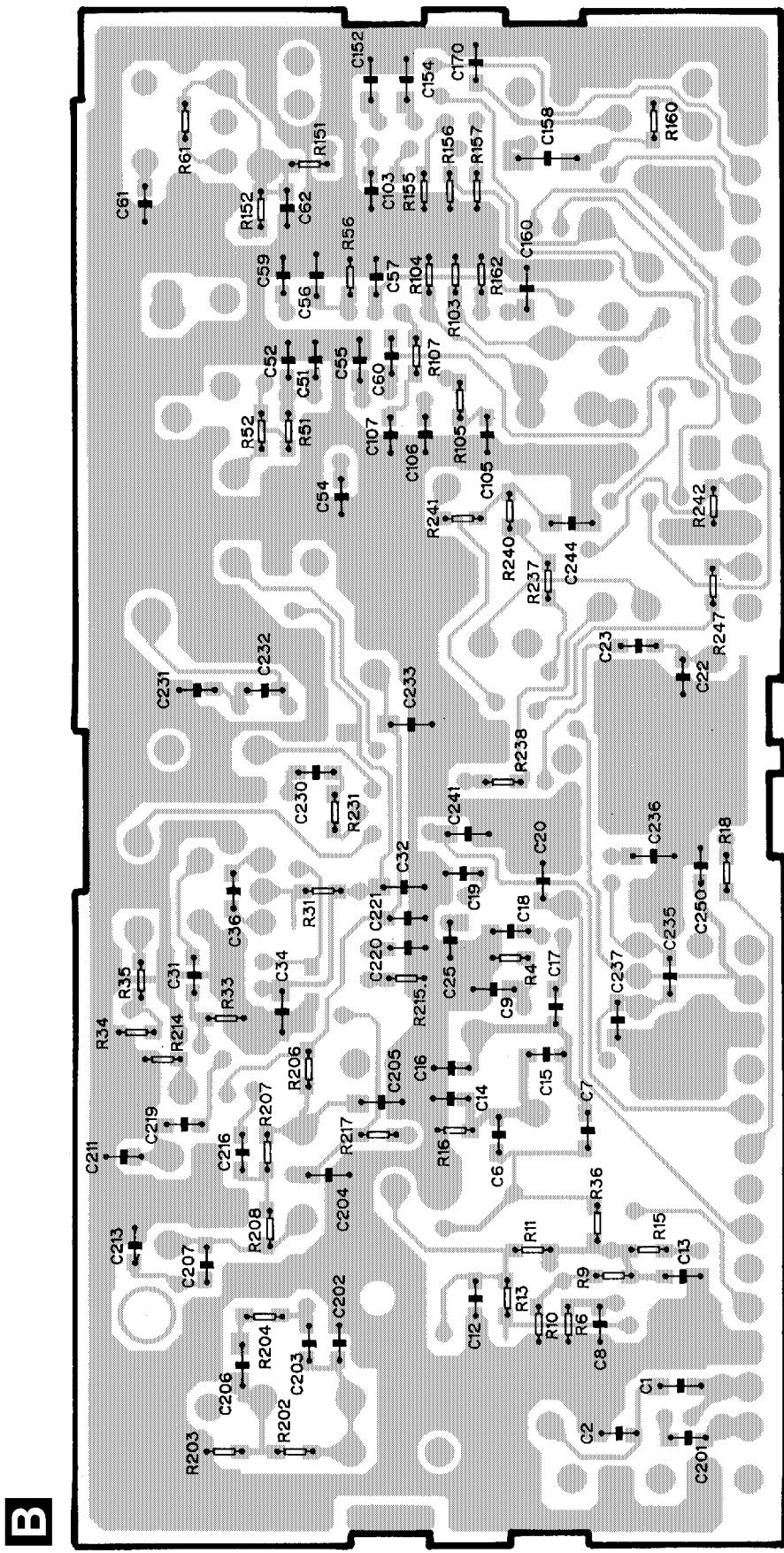


Fig. 20

SIDE B



5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/OS000J, RS1/OOS000J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

| ====Circuit Symbol & No.====Part Name | | | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|------------------------------|--------------|----------|---------------------------------------|-------------|
| B | Unit Number : CWE1416 | | | R 8 | RS1/16S332J |
| | Unit Name : FM/AM Tuner Unit | | | R 9 | RS1/16S473J |
| | MISCELLANEOUS | | | R 10 | RS1/16S223J |
| IC 1 | IC | PA4023B | | R 11 | RS1/16S124J |
| IC 2 | IC | PA4024A | | R 13 | RS1/16S563J |
| Q 1 | Transistor | 2SC2412KLN | | R 15 | RS1/16S271J |
| Q 2 | Transistor | DTC124EU | | R 16 | RS1/16S104J |
| Q 3 | FET | 3SK263 | | R 17 | RS1/16S332J |
| Q 31 | Transistor | 2SC2412KLN | | R 18 | RS1/16S332J |
| Q 154 | Transistor | DTC124EU | | R 31 | RS1/16S470J |
| Q 165 | Transistor | 2SC2412KLN | | R 32 | RS1/16S822J |
| Q 201 | FET | 2SK932 | | R 33 | RS1/16S822J |
| Q 202 | Transistor | 2SC2412KLN | | R 34 | RS1/16S331J |
| Q 203 | Transistor | DTC124EU | | R 35 | RS1/16S331J |
| D 4 | Diode | 1SV250 | | R 51 | RS1/16S271J |
| D 5 | Diode | KV1410-F1 | | R 52 | RS1/16S560J |
| D 6 | Diode | MA157 | | R 55 | RS1/16S102J |
| D 7 | Diode | KV1410-F1 | | R 56 | RS1/16S823J |
| D 8 | Diode | KV1410-F1 | | R 61 | RS1/16S392J |
| D 201 | Diode | MA157 | | R 62 | RS1/16S393J |
| D 202 | Diode | MA157 | | | RS1/16S272J |
| D 231 | Diode | SVC253 | | R 101 | RS1/16S682J |
| L 2 | Coil | CTC1108 | | R 102 | RS1/16S333J |
| L 3 | Inductor | LCTB2R2K2125 | | R 103 | RS1/16S334J |
| L 4 | Coil | CTC1108 | | R 104 | RS1/16S683J |
| L 5 | Coil | CTC1107 | | R 105 | |
| L 6 | Inductor | LCTBR15K1608 | | R 107 | RS1/16S222J |
| L 51 | Ferric-Inductor | LAU150K | | R 151 | RS1/16S222J |
| L 51 | Ferric-Inductor | LAU150K | | R 152 | RS1/16S393J |
| L 201 | Ferric-Inductor | LAU4R7K | | R 154 | RS1/16S104J |
| L 202 | Ferric-Inductor | LAU330K | | R 155 | RS1/16S273J |
| L 203 | Inductor | CTF1287 | | | RS1/16S243J |
| L 208 | Inductor | LAU121K | | R 156 | RS1/16S203J |
| L 231 | Inductor | LCTA3R3J3225 | | R 157 | RS1/16S222J |
| T 31 | Coil | CTE1116 | | R 160 | RS1/16S222J |
| T 51 | Coil | CTC1136 | | R 161 | RS1/16S563J |
| TC 1 | | CCL1038 | | R 162 | RS1/16S105J |
| CF 51 | Ceramic Filter | CTF1292 | | R 163 | RS1/16S222J |
| CF 52 | Ceramic Filter | CTF1292 | | R 202 | RS1/16S223J |
| CF 53 | Ceramic Filter | CTF1292 | | R 203 | RS1/16S225J |
| CF 232 | Ceramic Filter | CTF1348 | | R 204 | RS1/16S103J |
| X 151 | Resonator 920.5kHz | CSS1365 | | R 206 | RS1/16S220J |
| X 231 | Crystal Resonator 10.26MHz | CSS1111 | | R 207 | RS1/16S101J |
| VR 154 | Semi-fixed 150kΩ(B) | CCP1213 | | R 208 | RS1/16S102J |
| AR 1 | | DSP-201M | | R 209 | RS1/16S471J |
| | | | | R 214 | RS1/16S822J |
| | | | | R 215 | RS1/16S822J |
| RESISTORS | | | | | |
| R 1 | | RS1/16S0R0J | | R 217 | RS1/16S102J |
| R 4 | | RS1/16S154J | | R 231 | RS1/16S272J |
| R 5 | | RS1/16S391J | | R 232 | RS1/16S473J |
| R 6 | | RS1/16S223J | | R 237 | RS1/16S103J |
| R 7 | | RS1/16S123J | | R 238 | RS1/16S104J |

| =====Circuit Symbol & No.====Part Name | | Part No. | =====Circuit Symbol & No.====Part Name | | Part No. |
|--|--|--------------|--|-----------------|--------------|
| R 239 | | RS1/16S104J | C 205 | | CKSQYB473K16 |
| R 240 | | RS1/16S332J | C 206 | | CKSQYB104K16 |
| R 241 | | RS1/16S202J | C 207 | | CCSRCH560J50 |
| R 243 | | RS1/16S123J | C 209 | | CKSQYB104K16 |
| R 244 | | RS1/16S103J | C 211 | | CCSRCH101J50 |
| R 247 | | RS1/16S123J | C 212 | | CEJA470M6R3 |
| CAPACITORS | | | C 213 | | CKSRYB103K25 |
| C 1 | | CCSQCH6R0D50 | C 216 | | CCSRCH101J50 |
| C 2 | | CCSRCK2R0C50 | C 217 | | CEJA1R5M50 |
| C 4 | | CCSRCH820J50 | C 219 | | CCSRCH471J50 |
| C 6 | | CCSRCH820J50 | C 220 | | CKSRYB103K25 |
| C 8 | | CKSRYB103K25 | C 230 | | CKSRYB103K25 |
| C 9 | | CKSQYB104K16 | C 231 | | CCSRCH330J50 |
| C 10 | | CCSRCKR50C50 | C 232 | | CCSRCH150J50 |
| C 11 | | CEJA1R0M50 | C 233 | | CKSQYB104K16 |
| C 12 | | CKSRYB222K50 | C 234 | | CEJA330M10 |
| C 13 | | CKSRYB222K50 | C 235 | | CKSRYB332K50 |
| C 14 | | CCSRCH220J50 | C 236 | | CKSRYB473K16 |
| C 16 | | CCSRCH8R0D50 | C 237 | | CCSRCH120J50 |
| C 17 | | CKSRYB222K50 | C 239 | | CKSRYB472K50 |
| C 18 | | CKSRYB103K25 | C 240 | | CEJAR47M50 |
| C 19 | | CKSRYB222K50 | C 241 | | CKSQYB104K16 |
| C 20 | | CKSRYB222K50 | C 242 | | CEJAR47M50 |
| C 21 | | CEJA100M16 | C 243 | | CEJAR33M50 |
| C 22 | | CCSRTH9R0D50 | C 244 | | CKSQYB473K16 |
| C 23 | | CCSRTH120J50 | C 245 | | CKSRYB123K25 |
| C 24 | | CCSRCH471J50 | C 246 | | CKSQYB473K16 |
| C 25 | | CKSRYB103K25 | C 250 | | CCSRCH471J50 |
| C 31 | | CKSRYB103K25 | A Unit Number : CWM5048 | | |
| C 32 | | CKSQYB472K50 | Unit Name : Tuner Amp Unit(DEH-P835R/EW) | | |
| C 33 | | CCSRCH5R0C50 | | | |
| C 34 | | CKSQYB104K16 | MISCELLANEOUS | | |
| C 36 | | CCSRRH201J50 | IC 101 | IC | TA2050S |
| C 51 | | CKSRYB223K25 | IC 102 | IC | CA0008AM |
| C 52 | | CKSRYB103K25 | IC 171 | IC | TDA7386 |
| C 54 | | CCSRCH470J50 | IC 201 | IC | PM0008BF |
| C 55 | | CKSQYB223K25 | IC 251 | IC | TC4066BF |
| C 56 | | CKSQYB104K16 | IC 252 | IC | NJM4558MD |
| C 57 | | CKSRYB472K50 | IC 253 | IC | NJM4558MD |
| C 58 | | CEJA330M10 | IC 254 | IC | NJM4558MD |
| C 59 | | CKSRYB103K25 | IC 255 | IC | NJM4558MD |
| C 61 | | CCSRCH270J50 | IC 302 | IC | NJM4558MD |
| C 62 | | CKSRYB103K25 | IC 303 | IC | NJM4558MD |
| C 63 | | CEJAR15M50 | IC 304 | IC | NJM4558MD |
| C 101 | | CEJANP100M10 | IC 305 | IC | NJM4558MD |
| C 102 | | CKSRYB182K50 | IC 306 | IC | NJM4558MD |
| C 103 | | CKSRYB682K25 | IC 307 | IC | TC4051BF |
| C 104 | | CEJA2R2M50 | IC 351 | IC | NJM4558MD |
| C 105 | | CKSRYB103K25 | IC 352 | IC | NJM4558MD |
| C 106 | | CCSRCH151J50 | IC 353 | IC | NJM4558MD |
| C 107 | | CKSRYB103K25 | IC 354 | IC | NJM4558MD |
| C 151 | | CKSRYB472K50 | IC 401 | IC | PM2005B |
| C 152 | | CKSQYB104K16 | IC 503 | IC | NJM2903M |
| C 153 | | CEJA3R3M50 | IC 504 | IC | PMW001B |
| C 154 | | CKSQYB104K16 | IC 601 | IC | PD4771A |
| C 157 | | CEJA3R3M50 | IC 971 | IC | S-80730ANDT |
| C 158 | | CKSYB474K16 | Q 101 | Chip Transistor | 2SA1162 |
| C 159 | | CEJA220M6R3 | Q 102 | Transistor | DTC124EK |
| C 160 | | CKSQYB104K16 | Q 151 | Transistor | 2SD1757K |
| C 161 | | CKSQYB104K16 | Q 152 | Transistor | 2SD1757K |
| C 162 | | CEJA3R3M50 | Q 153 | Transistor | IMH3A |
| C 163 | | CKSRYB102K50 | Q 154 | Transistor | DTA114EK |
| C 170 | | CCSRCH100D50 | Q 171 | Transistor | DTC124EK |
| C 201 | | CCSRCH471J50 | Q 251 | Transistor | DTC124EK |
| C 202 | | CCSRCH100D50 | Q 252 | Transistor | IMH3A |
| C 203 | | CKSRYB332K50 | Q 354 | Transistor | IMH3A |
| C 204 | | CKSQYB473K16 | Q 355 | Transistor | IMH3A |

DEH-P835R, P735R

| ====Circuit Symbol & No.====Part Name | | | ====Circuit Symbol & No.====Part Name | | | ====Circuit Symbol & No.====Part Name | | |
|---------------------------------------|-----|-----------------|---------------------------------------|----|----------|---------------------------------------|-----------|--------------|
| | | Part No. | | | Part No. | | | Part No. |
| Q | 356 | Transistor | IMH3A | D | 804 | Diode | | MA3062(M) |
| Q | 357 | Transistor | 2SC2712 | D | 805 | Diode | | DA204K |
| Q | 358 | Transistor | 2SC2712 | D | 806 | Diode | | DA204K |
| Q | 359 | Transistor | 2SC2712 | D | 807 | Diode | | DA204K |
| Q | 360 | Transistor | 2SC2712 | D | 808 | Chip Diode | | MA151WK |
| Q | 361 | Transistor | IMD2A | D | 901 | Diode | | ERA15-02VH |
| Q | 401 | Transistor | 2SC2712 | D | 902 | Diode | | ERA15-02VH |
| Q | 402 | Transistor | 2SC2712 | D | 911 | Diode | | ERA15-02VH |
| Q | 403 | Transistor | DTC124EK | D | 912 | Diode | | HZS6L(B1) |
| Q | 404 | Transistor | IMD2A | D | 921 | Diode | | ERA15-02VH |
| Q | 501 | Transistor | 2SC2712 | D | 922 | Diode | | ERA15-02VH |
| Q | 601 | Transistor | DTA114EK | D | 931 | Diode | | ERA15-02VH |
| Q | 602 | Transistor | DTC114EK | D | 932 | Diode | | ERA15-02VH |
| Q | 651 | Transistor | IMD2A | D | 941 | Diode | | HZS9L(B3) |
| Q | 652 | Transistor | DTC123EK | D | 942 | Diode | | MA3082(L) |
| Q | 653 | Transistor | DTC123EK | D | 951 | Diode | | ERA15-02VH |
| Q | 654 | Transistor | DTC123EK | D | 952 | Diode | | HZS7L(C3) |
| Q | 801 | Transistor | 2SC2712 | D | 953 | Diode | | HZS7L(A1) |
| Q | 802 | Transistor | IMD2A | D | 961 | Chip Diode | | MA151WK |
| Q | 803 | Transistor | 2SD1760F5 | D | 971 | Chip Diode | | MA151K |
| Q | 804 | Transistor | DTC114EK | D | 991 | Diode | | HZS9L(B1) |
| Q | 805 | Transistor | 2SB1238 | L | 101 | Inductor | | LAU3R3K |
| Q | 806 | Transistor | DTC143EK | L | 351 | Inductor | | LCTBR47K2125 |
| Q | 807 | Transistor | 2SC3295 | L | 352 | Inductor | | LCTBR47K2125 |
| Q | 808 | Chip Transistor | 2SA1162 | L | 353 | Inductor | | LCTBR47K2125 |
| Q | 911 | Transistor | 2SD1760F5 | L | 354 | Inductor | | LCTBR47K2125 |
| Q | 921 | Transistor | 2SB1243 | L | 402 | Ferri-Inductor | | LAU2R2K |
| Q | 931 | Transistor | 2SB1243 | L | 403 | Ferri-Inductor | | LAU2R2K |
| Q | 932 | Transistor | DTC124EK | L | 501 | Ferri-Inductor | | LAU2R2K |
| Q | 941 | Transistor | 2SD2396 | L | 602 | Ferri-Inductor | | LAU2R2K |
| Q | 942 | Transistor | IMD2A | L | 603 | Inductor | | LAU100K |
| Q | 944 | Transistor | 2SC2712 | L | 662 | Ferri-Inductor | | LAU220K |
| Q | 945 | Transistor | 2SC2712 | L | 961 | Ferri-Inductor | | LAU2R2K |
| Q | 951 | Transistor | DTC114EK | TH | 601 | Thermistor | | CCX1031 |
| Q | 952 | Transistor | IMX1 | X | 401 | Crystal Resonator 7.200MHz | | CSS1379 |
| Q | 961 | Chip Transistor | 2SA1162 | X | 501 | Crystal Resonator 4.332MHz | | CSS1056 |
| Q | 971 | Transistor | DTA144TK | X | 601 | Resonator 12.58291MHz | | CSS1402 |
| Q | 981 | Transistor | 2SA1674 | S | 971 | Switch(RESET) | | CSG1046 |
| Q | 982 | Transistor | 2SA1674 | SW | 351 | Switch(PRE OUT/MAIN IN) | | CSH1009 |
| Q | 983 | Transistor | IMH1A | IL | 801 | Lamp 14V 40mA | | CEL1263 |
| Q | 991 | Transistor | IMD2A | VR | 501 | Semi-fixed 22kΩ(B) | | CCP1129 |
| Q | 992 | Transistor | 2SD2396 | FU | 801 | 0.4A | | ICP-N10 |
| D | 301 | Diode | MA110 | BZ | 601 | FM/AM Tuner Unit | | CWE1416 |
| D | 302 | Diode | MA110 | | | Buzzer | | CPV1011 |
| D | 303 | Diode | MA110 | | | | RESISTORS | |
| D | 304 | Diode | MA110 | R | 11 | | | RS1/10S393J |
| D | 305 | Diode | MA110 | R | 12 | | | RS1/10S393J |
| D | 306 | Diode | MA110 | R | 13 | | | RS1/10S821J |
| D | 307 | Diode | MA110 | R | 14 | | | RS1/10S821J |
| D | 308 | Diode | MA110 | R | 15 | | | RS1/10S821J |
| D | 309 | Diode | MA110 | R | 16 | | | RS1/10S821J |
| D | 310 | Diode | MA110 | R | 21 | | | RS1/10S473J |
| D | 351 | Chip Diode | MA151WK | R | 22 | | | RS1/10S473J |
| D | 353 | Diode | HZS7L(B3) | R | 23 | | | RS1/10S473J |
| D | 354 | Diode | MA110 | R | 24 | | | RS1/10S473J |
| D | 402 | Chip Diode | MA151WK | R | 25 | | | RS1/10S102J |
| D | 403 | Chip Diode | MA151WK | R | 26 | | | RS1/10S473J |
| D | 501 | Diode | MA3047(M) | R | 28 | | | RS1/10S0R0J |
| D | 653 | LED | BR4361F | R | 101 | | | RS1/10S101J |
| D | 654 | Diode | MA3160(H) | R | 102 | | | RS1/10S101J |
| D | 655 | Diode | MA3160(H) | R | 103 | | | RS1/10S620J |
| D | 656 | Diode | MA3160(H) | R | 104 | | | RS1/10S222J |
| D | 801 | Diode | DA204K | R | 105 | | | RS1/10S102J |
| D | 802 | Diode | MA3047(M) | R | 106 | | | RS1/10S102J |
| D | 803 | Diode | MA3082(L) | R | 107 | | | RS1/10S473J |

| =====Circuit Symbol & No.====Part Name | | Part No. | =====Circuit Symbol & No.====Part Name | | Part No. |
|--|-----|--------------|--|-----|--------------|
| R | 108 | RS1/10S473J | R | 275 | RS1/10S2002F |
| R | 109 | RS1/10S332J | R | 276 | RS1/10S4322F |
| R | 110 | RS1/10S562J | R | 277 | RS1/10S4322F |
| R | 111 | RS1/10S472J | R | 278 | RS1/10S2212F |
| R | 112 | RS1/10S103J | R | 279 | RS1/10S2742F |
| R | 113 | RS1/10S181J | R | 280 | RS1/10S333J |
| R | 114 | RS1/10S223J | R | 281 | RS1/10S2002F |
| R | 115 | RS1/10S102J | R | 282 | RS1/10S473J |
| R | 116 | RS1/10S102J | R | 283 | RS1/10S2212F |
| R | 117 | RS1/10S223J | R | 284 | RS1/10S473J |
| R | 118 | RS1/10S181J | R | 285 | RS1/10S473J |
| R | 151 | RS1/10S272J | R | 287 | RS1/10S3322F |
| R | 152 | RS1/10S272J | R | 289 | RS1/10S473J |
| R | 155 | RS1/10S224J | R | 301 | RS1/10S223J |
| R | 156 | RS1/10S224J | R | 302 | RS1/10S223J |
| R | 157 | RS1/10S222J | R | 303 | RA3C102J |
| R | 158 | RS1/10S222J | R | 307 | RS1/10S473J |
| R | 159 | RS1/10S223J | R | 308 | RS1/10S123J |
| R | 160 | RS1/10S223J | R | 309 | RS1/10S102J |
| R | 171 | RS1/10S103J | R | 310 | RS1/10S102J |
| R | 172 | RS1/10S331J | R | 311 | RS1/10S222J |
| R | 173 | RS1/10S103J | R | 312 | RS1/10S473J |
| R | 174 | RS1/10S103J | R | 313 | RS1/10S333J |
| R | 201 | RS1/10S102J | R | 314 | RS1/10S132J |
| R | 202 | RS1/10S102J | R | 315 | RS1/10S134J |
| R | 203 | RS1/10S332J | R | 316 | RS1/10S225J |
| R | 204 | RS1/10S332J | R | 322 | RS1/10S393J |
| R | 205 | RS1/10S102J | R | 323 | RS1/10S162J |
| R | 206 | RS1/10S102J | R | 324 | RS1/10S164J |
| R | 207 | RS1/10S103J | R | 325 | RS1/10S225J |
| R | 208 | RS1/10S103J | R | 326 | RS1/10S225J |
| R | 209 | RS1/10S102J | R | 327 | RS1/10S273J |
| R | 210 | RS1/10S103J | R | 328 | RS1/10S112J |
| R | 211 | RS1/10S272J | R | 329 | RS1/10S114J |
| R | 212 | RS1/10S272J | R | 330 | RS1/10S363J |
| R | 213 | RS1/10S151J | R | 331 | RS1/10S152J |
| R | 214 | RS1/10S151J | R | 332 | RS1/10S154J |
| R | 215 | RS1/10S101J | R | 333 | RS1/10S225J |
| R | 216 | RS1/10S101J | R | 334 | RS1/10S225J |
| R | 217 | RS1/10S472J | R | 335 | RS1/10S433J |
| R | 218 | RA3C472J | R | 336 | RS1/10S182J |
| R | 251 | RS1/10S472J | R | 337 | RS1/10S184J |
| R | 252 | RS1/10S472J | R | 338 | RS1/10S623J |
| R | 253 | RS1/10S3322F | R | 339 | RS1/10S272J |
| R | 254 | RS1/10S3322F | R | 340 | RS1/10S224J |
| R | 255 | RS1/10S3322F | R | 341 | RS1/10S225J |
| R | 256 | RS1/10S3322F | R | 342 | RS1/10S225J |
| R | 257 | RS1/10S6812F | R | 343 | RS1/10S1213F |
| R | 258 | RS1/10S6812F | R | 344 | RS1/10S512J |
| R | 259 | RS1/10S1652F | R | 345 | RS1/10S474J |
| R | 260 | RS1/10S3322F | R | 347 | RS1/10S122J |
| R | 261 | RS1/10S3322F | R | 348 | RS1/10S1213F |
| R | 262 | RS1/10S471J | R | 349 | RS1/10S225J |
| R | 263 | RS1/10S331J | R | 350 | RS1/10S303J |
| R | 264 | RS1/10S472J | R | 351 | RS1/10S270J |
| R | 265 | RS1/10S561J | R | 371 | RS1/10S821J |
| R | 266 | RS1/10S152J | R | 372 | RS1/10S821J |
| R | 267 | RS1/10S362J | R | 373 | RS1/10S223J |
| R | 268 | RS1/10S8252F | R | 374 | RS1/10S223J |
| R | 269 | RS1/10S1213F | R | 375 | RS1/10S222J |
| R | 270 | RS1/10S1213F | R | 376 | RS1/10S222J |
| R | 271 | RS1/10S8252F | R | 377 | RS1/10S222J |
| R | 272 | RS1/10S1003F | R | 378 | RS1/10S222J |
| R | 273 | RS1/10S1003F | R | 379 | RS1/10S392J |
| R | 274 | RS1/10S2002F | R | 380 | RS1/10S392J |

DEH-P835R, P735R

| ====Circuit Symbol & No.====Part Name | | Part No. | ====Circuit Symbol & No.====Part Name | | Part No. |
|---------------------------------------|-----|--------------|---------------------------------------|-----|---------------|
| R | 381 | RS1/10S392J | R | 518 | RS1/10S222J |
| R | 382 | RS1/10S392J | R | 519 | RS1/10S105J |
| R | 383 | RS1/10S393J | R | 524 | RS1/10S681J |
| R | 384 | RS1/10S393J | R | 530 | RS1/10S0R0J |
| R | 385 | RS1/10S393J | R | 541 | RS1/10S0R0J |
| R | 386 | RS1/10S393J | R | 601 | RS1/10S102J |
| R | 387 | RS1/10S334J | R | 604 | RS1/10S681J |
| R | 388 | RS1/10S334J | R | 605 | RS1/10S473J |
| R | 389 | RS1/10S334J | R | 607 | RS1/10S473J |
| R | 390 | RS1/10S334J | R | 608 | RS1/10S473J |
| R | 391 | RS1/10S473J | R | 609 | RS1/10S473J |
| R | 392 | RS1/10S473J | R | 611 | RA2CQ223J |
| R | 393 | RS1/10S473J | R | 612 | RS1/10S473J |
| R | 394 | RS1/10S473J | R | 614 | RS1/10S473J |
| R | 395 | RS1/10S334J | R | 615 | RS1/10S473J |
| R | 396 | RS1/10S334J | R | 616 | RS1/10S393J |
| R | 397 | RS1/10S334J | R | 618 | RA3C681J |
| R | 398 | RS1/10S334J | R | 619 | RS1/10S681J |
| R | 399 | RS1/10S393J | R | 620 | RS1/10S681J |
| R | 400 | RS1/10S393J | R | 621 | RA3C222J |
| R | 401 | RS1/10S472J | R | 622 | RS1/10S473J |
| R | 402 | RS1/10S224J | R | 623 | RN1/10SE2202D |
| R | 403 | RS1/10S103J | R | 624 | RA3C473J |
| R | 405 | RS1/10S105J | R | 627 | RS1/10S104J |
| R | 407 | RS1/10S562J | R | 628 | RS1/10S104J |
| R | 409 | RS1/10S681J | R | 629 | RS1/10S102J |
| R | 410 | RS1/10S682J | R | 630 | RS1/10S102J |
| R | 411 | RS1/10S472J | R | 632 | RS1/10S393J |
| R | 412 | RS1/10S222J | R | 637 | RS1/10S473J |
| R | 413 | RS1/10S222J | R | 638 | RS1/10S473J |
| R | 414 | RS1/10S102J | R | 639 | RS1/10S473J |
| R | 416 | RS1/10S473J | R | 641 | RS1/10S473J |
| R | 417 | RS1/10S0R0J | R | 653 | RS1/8S102J |
| R | 418 | RS1/10S102J | R | 654 | RS1/8S102J |
| R | 419 | RS1/10S682J | R | 655 | RS1/8S102J |
| R | 420 | RS1/10S472J | R | 657 | RS1/10S103J |
| R | 421 | RS1/10S561J | R | 658 | RS1/10S473J |
| R | 422 | RS1/10S103J | R | 659 | RS1/10S473J |
| R | 423 | RS1/10S222J | R | 660 | RS1/10S473J |
| R | 424 | RS1/10S152J | R | 661 | RS1/8S331J |
| R | 425 | RS1/10S392J | R | 662 | RS1/10S163J |
| R | 426 | RS1/10S392J | R | 663 | RS1/10S163J |
| R | 427 | RS1/10S272J | R | 664 | RS1/10S103J |
| R | 428 | RS1/10S0R0J | R | 665 | RS1/10S163J |
| R | 429 | RS1/10S222J | R | 801 | RS1/10S103J |
| R | 430 | RS1/10S562J | R | 802 | RS1/10S224J |
| R | 433 | RS1/10S472J | R | 803 | RD1/4PU471J |
| R | 435 | RS1/10S0R0J | R | 804 | RS2PMF100J |
| R | 436 | RS1/10S473J | R | 805 | RS1/10S222J |
| R | 437 | RS1/10S473J | R | 806 | RD1/4PU102J |
| R | 501 | RS1/10S562J | R | 807 | RS1/10S104J |
| R | 502 | RS1/10S102J | R | 808 | RS1/10S1R0J |
| R | 503 | RS1/10S103J | R | 809 | RS1/10S472J |
| R | 504 | RD1/4PU151J | R | 810 | RS1/10S472J |
| R | 505 | RS1/10S3322F | R | 811 | RS1/10S104J |
| R | 506 | RS1/10S0R0J | R | 812 | RS1/8S222J |
| R | 507 | RS1/10S102J | R | 813 | RS1/8S222J |
| R | 508 | RA3C102J | R | 814 | RS1/8S222J |
| R | 511 | RS1/10S102J | R | 818 | RS1/10S224J |
| R | 512 | RS1/10S102J | R | 819 | RS2PMF330J |
| R | 513 | RS1/10S222J | R | 912 | RS1/10S332J |
| R | 514 | RS1/10S222J | R | 921 | RS1/4S221J |
| R | 515 | RS1/10S684J | R | 922 | RS1/10S472J |
| R | 516 | RS1/10S681J | R | 923 | RS1/4S221J |
| R | 517 | RS1/10S562J | | | |

| =====Circuit Symbol & No.====Part Name | | Part No. | =====Circuit Symbol & No.====Part Name | | Part No. |
|--|-----|--------------|--|-----|--------------|
| R | 931 | RS1/4S221J | C | 207 | CEJA470M10 |
| R | 932 | RS1/10S472J | C | 208 | CKSQYB104K50 |
| R | 933 | RS1/4S221J | C | 209 | CEJA100M16 |
| R | 941 | RS1/10S1R0J | C | 211 | CKSQYB822K50 |
| R | 942 | RD1/4PU221J | C | 212 | CKSQYB822K50 |
| R | 943 | RS1/8S681J | C | 213 | CEJA1R0M50 |
| R | 947 | RS1/10S473J | C | 214 | CEJA1R0M50 |
| R | 948 | RS1/10S103J | C | 215 | CKSQYB152K50 |
| R | 949 | RS1/10S473J | C | 216 | CKSQYB152K50 |
| R | 950 | RS1/10S224J | C | 217 | CEJANP100M10 |
| R | 951 | RS1/10S103J | C | 218 | CEJANP100M10 |
| R | 954 | RS1/10S103J | C | 219 | CKSQYB183K25 |
| R | 955 | RS1/10S473J | C | 220 | CKSQYB183K25 |
| R | 956 | RS1/10S473J | C | 221 | CEJANP100M10 |
| R | 957 | RS1/10S103J | C | 222 | CEJANP100M10 |
| R | 958 | RS1/10S472J | C | 223 | CKSYB334K16 |
| R | 961 | RS1/8S153J | C | 224 | CKSYB334K16 |
| R | 962 | RS1/10S472J | C | 225 | CKSQYB103K50 |
| R | 963 | RS1/10S472J | C | 226 | CKSQYB103K50 |
| R | 964 | RS1/10S102J | C | 227 | CKSYB105K16 |
| R | 971 | RS1/10S822J | C | 228 | CKSYB105K16 |
| R | 972 | RS1/10S102J | C | 229 | CKSQYB823K25 |
| R | 974 | RS1/10S471J | C | 230 | CKSQYB823K25 |
| R | 981 | RS1/10S472J | C | 231 | CKSQYB333K25 |
| R | 982 | RD1/4PU102J | C | 232 | CKSQYB333K25 |
| R | 983 | RS1/10S472J | C | 233 | CKSQYB104K50 |
| R | 984 | RD1/4PU102J | C | 234 | CKSQYB473K16 |
| R | 991 | RD1/4PU221J | C | 235 | CKSQYB562K50 |
| R | 992 | RS1/10S221J | C | 236 | CKSQYB104K50 |
| R | 993 | RS1/10S222J | C | 237 | CKSQYB473K16 |
| R | 994 | RS1/10S472J | C | 238 | CCSOCH470J50 |
| R | 995 | RS1/10S681J | C | 251 | CKSQYB104K50 |
| R | 996 | RA3C102J | C | 252 | CKSQYB104K50 |
| CAPACITORS | | | C | 253 | CKSQYB472K50 |
| | | | C | 254 | CKSYB474K16 |
| C | 101 | CKSQYB104K50 | C | 255 | CCSOCH180J50 |
| C | 102 | CKSQYB104K50 | C | 256 | CCSOCH180J50 |
| C | 103 | CKSQYB102K50 | C | 301 | CEJA100M16 |
| C | 104 | CEJA100M16 | C | 309 | CKSQYB102K50 |
| C | 105 | CEJA1R0M50 | C | 310 | CEJA100M16 |
| C | 106 | CEJA1R0M50 | C | 311 | CEJA470M10 |
| C | 107 | CEJA100M16 | C | 312 | CKSQYB103K50 |
| C | 108 | CEJA1R0M50 | C | 314 | CKSQYB152K50 |
| C | 109 | CEJA1R0M50 | C | 315 | CKSQYB152K50 |
| C | 151 | CKSQYB223K25 | C | 316 | CKSQYB104K50 |
| C | 152 | CKSQYB223K25 | C | 317 | CKSQYB332K50 |
| C | 153 | CEJA1R0M50 | C | 318 | CKSQYB332K50 |
| C | 154 | CEJA1R0M50 | C | 319 | CKSQYB104K50 |
| C | 171 | CKSYB224K16 | C | 320 | CKSQYB104K50 |
| C | 172 | CKSYB224K16 | C | 321 | CKSQYB123K25 |
| C | 173 | CKSYB224K16 | C | 322 | CKSQYB123K25 |
| C | 174 | CKSYB224K16 | C | 323 | CKSQYB223K25 |
| C | 175 | CEJA330M16 | C | 324 | CKSQYB223K25 |
| C | 176 | CEJA1R0M50 | C | 325 | CKSQYB104K50 |
| C | 177 | CCH1125 | C | 326 | CKSQYB104K50 |
| C | 178 | CKSQYB104K50 | C | 327 | CKSQYB473K16 |
| C | 179 | CEHAR100M16 | C | 328 | CKSQYB473K16 |
| C | 180 | CEHAS1R0M50 | C | 329 | CKSQYB823K25 |
| C | 181 | CKSQYB102K50 | C | 330 | CKSQYB823K25 |
| C | 201 | CEJA1R0M50 | C | 331 | CKSQYB104K50 |
| C | 202 | CEJA1R0M50 | C | 332 | CKSQYB104K50 |
| C | 203 | CEJA1R0M50 | C | 333 | CKSQYB823K25 |
| C | 204 | CEJA1R0M50 | C | 334 | CKSQYB823K25 |
| C | 205 | CEJA1R0M50 | C | 335 | CKSQYB821K50 |
| C | 206 | CEJA1R0M50 | C | 336 | CKSQYB821K50 |

DEH-P835R, P735R

| =====Circuit Symbol & No.====Part Name | | Part No. | =====Circuit Symbol & No.====Part Name | | Part No. |
|--|-----------|--------------|--|---|--------------|
| C 337 | | CKSQYB104K50 | C 501 | | CKSQYB104K50 |
| C 351 | | CEJA101M10 | C 502 | | CKSQYB223K25 |
| C 353 | | CEJA100M16 | C 503 | | CKSQYB223K25 |
| C 354 | | CEJA100M16 | C 504 | | CCSQCH101J50 |
| C 357 | | CEJA100M16 | C 505 | | CEJA100M16 |
| C 358 | | CEJA100M16 | C 506 | | CKSQYB104K50 |
| C 359 | | CEJA100M16 | C 507 | | CKSQYB222K50 |
| C 360 | | CEJA100M16 | C 508 | | CKSQYB104K50 |
| C 361 | | CKSQYB103K50 | C 509 | | CKSYB105K16 |
| C 362 | | CKSQYB103K50 | C 510 | | CKSQYB104K50 |
| C 363 | | CKSQYB103K50 | C 511 | | CKSQYB472K50 |
| C 364 | | CKSQYB103K50 | C 512 | | CKSQYB103K50 |
| C 365 | | CCSQCH560J50 | C 513 | | CKSQYB102K50 |
| C 366 | | CCSQCH560J50 | C 514 | | CCSQCH270J50 |
| C 367 | | CCSQCH560J50 | C 515 | | CCSQCH270J50 |
| C 368 | | CCSQCH560J50 | C 517 | | CCSQCH101J50 |
| C 369 | | CEJA4R7M35 | C 601 | | CCSQCH180J50 |
| C 370 | | CEJA4R7M35 | C 602 | | CCSQCH180J50 |
| C 371 | | CEJA4R7M35 | C 603 | | CEJA101M10 |
| C 372 | | CEJA4R7M35 | C 604 | | CCSQCH101J50 |
| C 373 | | CEJA4R7M35 | C 606 | | CCSQCH101J50 |
| C 374 | | CEJA4R7M35 | C 607 | | CKSQYB102K50 |
| C 375 | | CEJA4R7M35 | C 608 | | CCSQCH101J50 |
| C 376 | | CEJA4R7M35 | C 610 | | CCSQCH101J50 |
| C 377 | | CEJA1R0M50 | C 653 | | CKSQYB103K50 |
| C 378 | | CEJA1R0M50 | C 654 | | CKSQYB103K50 |
| C 379 | | CEJA1R0M50 | C 655 | | CKSQYB103K50 |
| C 380 | | CEJA1R0M50 | C 801 | | CKSQYB103K50 |
| C 401 | | CKSQYB103K50 | C 802 | 220μF/10V | CCH1014 |
| C 402 | | CKSQYB223K25 | C 803 | | CCSQCH101J50 |
| C 403 | | CKSQYB103K50 | C 804 | | CCSQCH101J50 |
| C 405 | | CEJA220M10 | C 805 | 220μF/10V | CCH1014 |
| C 406 | | CKSQYB103K50 | C 806 | | CCSQCH101J50 |
| C 407 | | CKSQYB471K50 | C 912 | | CKSQYB472K50 |
| C 408 | | CCSQCH101J50 | C 913 | | CEJA470M10 |
| C 409 | | CKSQYB223K25 | C 941 | | CEAS331M10 |
| C 410 | | CKSQYB103K50 | C 942 | | CKSQYB103K50 |
| C 411 | | CKSQYB472K50 | C 943 | | CEJA101M16 |
| C 412 | | CKSQYB103K50 | C 951 | | CKSYF105Z25 |
| C 413 | | CKSQYB103K50 | C 971 | 0.22F/5.5V | CCL1037 |
| C 414 | | CEJA220M10 | C 972 | | CEJA2R2M50 |
| C 415 | | CKSQYB103K50 | C 991 | | CKSQYB473K16 |
| C 416 | | CEJA220M6R3 | C 992 | | CKSQYB102K50 |
| C 417 | | CKSQYB103K50 | C 993 | | CEJA101M10 |
| C 418 | | CKSQYB103K50 | | | |
| C 419 | 4.7μF/16V | CCH1250 | E | Unit Number : CWX1889 Unit Name : Control Unit | |
| C 420 | | CKSQYB103K50 | | | |
| C 421 | | CKLSR473K16 | | | |
| C 422 | | CKSQYB332K50 | | | |
| C 423 | | CKSQYB103K50 | | | |
| C 424 | 4.7μF/16V | CCH1250 | IC 101 | IC | UPC2572GS |
| C 425 | | CKSQYB103K50 | IC 201 | IC | UPD63702GF |
| C 427 | | CEJAR47M50 | IC 301 | IC | XLA6997FP |
| C 428 | | CKSQYB103K50 | IC 302 | IC | BA6285FP |
| C 429 | | CCSQCH150J50 | IC 601 | IC | TA2063F |
| C 430 | | CCSQCH150J50 | IC 701 | IC | PQ05TZ51 |
| C 431 | | CKSQYB103K50 | Q 101 | Transistor | 2SD1664 |
| C 432 | | CKSQYB103K50 | Q 102 | Transistor | UMD2N |
| C 433 | | CCSQCH101J50 | Q 601 | Transistor | 2SD1781K |
| C 434 | | CKSQYB103K50 | Q 602 | Transistor | 2SD1781K |
| C 435 | | CKSQYB223K25 | Q 603 | Transistor | 2SB709A |
| C 436 | | CKSQYB103K50 | D 601 | Diode | MA151WA |
| C 437 | | CKSQYB102K50 | D 701 | Diode | 1SR154-400 |
| C 438 | | CEJA220M6R3 | D 702 | Diode | 1SR154-400 |
| C 440 | | CKSQYB223K25 | D 801 | | CL200IRX |
| | | | D 802 | | CL200IRX |
| | | | X 201 | Ceramic Resonator 16.93MHz | CSS1363 |
| | | | S 801 | Switch(HOME) | CSN1028 |
| | | | S 802 | Switch(CLAMP) | |

| =====Circuit Symbol & No.====Part Name | | Part No. | =====Circuit Symbol & No.====Part Name | | Part No. |
|--|--------------|----------|--|-----------------|--------------|
| RESISTORS | | | C 303 | | CEV470M16 |
| R 101 | RS1/8S100J | | C 304 | | CKSRYB103K25 |
| R 102 | RS1/8S120J | | C 305 | | CKSRYB103K25 |
| R 103 | RS1/16S102J | | C 306 | | CKSRYB103K25 |
| R 104 | RS1/16S822J | | C 502 | | CKSRYB471K50 |
| R 105 | RS1/16S682J | | C 601 | | CEV101M6R3 |
| R 106 | RS1/16S183J | | C 602 | | CKSQYB104K16 |
| R 107 | RS1/16S822J | | C 603 | | CEV4R7M35 |
| R 108 | RS1/16S333J | | C 604 | | CEV4R7M35 |
| R 109 | RS1/16S683J | | C 605 | | CKSRYB152K50 |
| R 110 | RS1/16S134J | | C 606 | | CKSRYB152K50 |
| R 111 | RS1/16S273J | | C 607 | 22μF/6.3V | CEV220M6R3 |
| R 112 | RS1/16S222J | | C 701 | | CCH1233 |
| R 113 | RS1/16S103J | | C 702 | | CKSYB334K16 |
| R 114 | RS1/16S103J | | C 703 | | CEV101M6R3 |
| R 115 | RS1/16S102J | | C 901 | | CCSRCH471J50 |
| R 116 | RS1/16S163J | | C 902 | | CCSRCH271J50 |
| R 117 | RS1/16S163J | | C 903 | | CCSRCH471J50 |
| R 201 | RS1/16S104J | | C 904 | | CCSRCH101J50 |
| R 202 | RS1/16S473J | | | | |
| R 304 | RS1/16S0R0J | | | | |
| R 501 | RS1/16S0R0J | | | | |
| R 505 | RS1/16S102J | | | | |
| R 507 | RA4C102J | | IC 101 | IC | TA2050S |
| R 508 | RA4C681J | | IC 102 | IC | CA0008AM |
| R 510 | RS1/10S0R0J | | IC 171 | IC | TDA7386 |
| R 601 | RS1/16S102J | | IC 201 | IC | PM0008BF |
| R 602 | RS1/16S102J | | IC 401 | IC | PM2005B |
| R 603 | RS1/16S223J | | | | |
| R 604 | RS1/16S223J | | IC 503 | IC | NJM2903M |
| R 605 | RS1/16S162J | | IC 504 | IC | PMW001B |
| R 606 | RS1/16S162J | | IC 601 | IC | PD4771A |
| R 607 | RS1/16S103J | | IC 971 | IC | S-80730ANDT |
| R 801 | RS1/8S751J | | Q 101 | Chip Transistor | 2SA1162 |
| R 802 | RS1/8S751J | | | | |
| CAPACITORS | | | Q 102 | Transistor | DTC124EK |
| C 101 | CEV101M6R3 | | Q 151 | Transistor | 2SD1757K |
| C 102 | CKSQYB104K16 | | Q 152 | Transistor | 2SD1757K |
| C 103 | CEV470M6R3 | | Q 153 | Transistor | IMH3A |
| C 104 | CKSYB334K16 | | Q 154 | Transistor | DTA114EK |
| C 105 | CCSRCH330J50 | | | | |
| C 106 | CKSRYB103K25 | | | | |
| C 107 | CEV4R7M35 | | Q 402 | Transistor | 2SC2712 |
| C 108 | CKSQYB273K50 | | Q 403 | Transistor | DTC124EK |
| C 109 | CCSRCH101J50 | | Q 404 | Transistor | IMD2A |
| C 110 | CKSQYB104K16 | | Q 501 | Transistor | 2SC2712 |
| C 111 | CKSRYB332K50 | | Q 601 | Transistor | DTA114EK |
| C 112 | CKSQYB473K16 | | | | |
| C 113 | CKSRYB103K25 | | Q 602 | Transistor | DTC114EK |
| C 114 | CKSRYB391K50 | | Q 651 | Transistor | IMD2A |
| C 115 | CCSRCH121J50 | | Q 652 | Transistor | DTC143EK |
| C 116 | CKSRYB682K25 | | Q 653 | Transistor | DTC123EK |
| C 117 | CKSRYB333K16 | | Q 654 | Transistor | DTC123EK |
| C 118 | CKSYB334K16 | | | | |
| C 119 | CKSYB334K16 | | Q 801 | Transistor | 2SC2712 |
| C 120 | CKSYB334K16 | | Q 802 | Transistor | IMD2A |
| C 121 | CKSYB334K16 | | Q 803 | Transistor | 2SD1760F5 |
| C 122 | CKSQYB104K16 | | Q 804 | Transistor | DTC114EK |
| C 123 | CKSRYB472K50 | | Q 805 | Transistor | 2SB1238 |
| C 124 | CKSQYB104K16 | | | | |
| C 125 | CCSRCH6R0D50 | | Q 806 | Transistor | DTC143EK |
| C 126 | CKSRYB153K25 | | Q 807 | Transistor | 2SC3295 |
| C 127 | CCSRCH102J25 | | Q 808 | Chip Transistor | 2SA1162 |
| C 201 | CKSYB334K16 | | Q 911 | Transistor | 2SD1760F5 |
| C 202 | CKSQYB104K16 | | Q 921 | Transistor | 2SB1243 |
| C 203 | CKSQYB104K16 | | | | |
| | | | Q 931 | Transistor | DTC124EK |
| | | | Q 932 | Transistor | 2SD2396 |
| | | | Q 941 | Transistor | IMD2A |
| | | | Q 942 | Transistor | 2SC2712 |
| | | | Q 944 | Transistor | |

A

Unit Number : CWM5053

Unit Name : Tuner Amp Unit(DEH-P735R/EW)

DEH-P835R, P735R

| ====Circuit Symbol & No.====Part Name | | | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|----------------------------|-------------|----------|---------------------------------------|-------------|
| Q 945 | Transistor | 2SC2712 | R 22 | | RS1/10S473J |
| Q 951 | Transistor | DTC114EK | R 25 | | RS1/10S102J |
| Q 952 | Transistor | IMX1 | R 26 | | RS1/10S473J |
| Q 961 | Chip Transistor | 2SA1162 | R 101 | | RS1/10S101J |
| Q 971 | Transistor | DTA144TK | R 102 | | RS1/10S101J |
| Q 981 | Transistor | 2SA1674 | R 103 | | RS1/10S620J |
| Q 982 | Transistor | 2SA1674 | R 104 | | RS1/10S222J |
| Q 983 | Transistor | IMH1A | R 105 | | RS1/10S102J |
| Q 991 | Transistor | IMD2A | R 106 | | RS1/10S102J |
| Q 992 | Transistor | 2SD2396 | R 107 | | RS1/10S473J |
| D 351 | Chip Diode | MA151WK | R 108 | | RS1/10S473J |
| D 354 | Diode | MA110 | R 109 | | RS1/10S332J |
| D 402 | Chip Diode | MA151WK | R 110 | | RS1/10S562J |
| D 403 | Chip Diode | MA151WK | R 111 | | RS1/10S472J |
| D 501 | Diode | MA3047(M) | R 112 | | RS1/10S103J |
| D 653 | LED | BR4361F | R 113 | | RS1/10S181J |
| D 654 | Diode | MA3160(H) | R 114 | | RS1/10S223J |
| D 655 | Diode | MA3160(H) | R 115 | | RS1/10S102J |
| D 656 | Diode | MA3160(H) | R 116 | | RS1/10S102J |
| D 801 | Diode | DA204K | R 117 | | RS1/10S223J |
| D 802 | Diode | MA3047(M) | R 118 | | RS1/10S181J |
| D 803 | Diode | MA3082(L) | R 151 | | RS1/10S272J |
| D 804 | Diode | MA3062(M) | R 152 | | RS1/10S272J |
| D 805 | Diode | DA204K | R 155 | | RS1/10S224J |
| D 806 | Diode | DA204K | R 156 | | RS1/10S224J |
| D 807 | Diode | DA204K | R 157 | | RS1/10S222J |
| D 808 | Chip Diode | MA151WK | R 158 | | RS1/10S222J |
| D 901 | Diode | ERA15-02VH | R 159 | | RS1/10S223J |
| D 902 | Diode | ERA15-02VH | R 160 | | RS1/10S223J |
| D 911 | Diode | ERA15-02VH | R 171 | | RS1/10S103J |
| D 912 | Diode | HZS6L(B1) | R 172 | | RS1/10S331J |
| D 921 | Diode | ERA15-02VH | R 173 | | RS1/10S103J |
| D 922 | Diode | ERA15-02VH | R 174 | | RS1/10S103J |
| D 931 | Diode | ERA15-02VH | R 201 | | RS1/10S102J |
| D 932 | Diode | ERA15-02VH | R 202 | | RS1/10S102J |
| D 941 | Diode | HZS9L(B3) | R 203 | | RS1/10S332J |
| D 942 | Diode | MA3082(L) | R 204 | | RS1/10S332J |
| D 951 | Diode | ERA15-02VH | R 205 | | RS1/10S102J |
| D 952 | Diode | HZS7L(C3) | R 206 | | RS1/10S102J |
| D 953 | Diode | HZS7L(A1) | R 207 | | RS1/10S103J |
| D 961 | Chip Diode | MA151WK | R 208 | | RS1/10S103J |
| D 971 | Chip Diode | MA151K | R 209 | | RS1/10S102J |
| D 991 | Diode | HZS9L(B1) | R 210 | | RS1/10S103J |
| L 101 | Inductor | LAU3R3K | R 211 | | RS1/10S272J |
| L 402 | Ferri-Inductor | LAU2R2K | R 212 | | RS1/10S272J |
| L 403 | Ferri-Inductor | LAU2R2K | R 213 | | RS1/10S151J |
| L 501 | Ferri-Inductor | LAU2R2K | R 214 | | RS1/10S151J |
| L 602 | Ferri-Inductor | LAU2R2K | R 215 | | RS1/10S101J |
| L 603 | Inductor | LAU100K | R 216 | | RS1/10S101J |
| L 662 | Ferri-Inductor | LAU220K | R 217 | | RS1/10S472J |
| L 961 | Ferri-Inductor | LAU2R2K | R 218 | | RA3C472J |
| TH 601 | Thermistor | CCX1031 | R 290 | | RS1/10S0R0J |
| X 401 | Crystal Resonator 7.200MHz | CSS1379 | R 291 | | RS1/10S0R0J |
| X 501 | Crystal Resonator 4.332MHz | CSS1056 | R 308 | | RS1/10S123J |
| X 601 | Resonator 12.58291MHz | CSS1402 | R 371 | | RS1/10S821J |
| S 971 | Switch(RESET) | CSG1046 | R 372 | | RS1/10S821J |
| IL 801 | Lamp 14V 40mA | CEL1263 | R 373 | | RS1/10S223J |
| VR 501 | Semi-fixed 22kΩ(B) | CCP1129 | R 374 | | RS1/10S223J |
| FU 801 | 0.4A | ICP-N10 | R 401 | | RS1/10S472J |
| | FM/AM Tuner Unit | CWE1416 | R 402 | | RS1/10S224J |
| BZ 601 | Buzzer | CPV1011 | R 403 | | RS1/10S103J |
| RESISTORS | | | R 405 | | RS1/10S105J |
| R 13 | | RS1/10S821J | R 407 | | RS1/10S562J |
| R 14 | | RS1/10S821J | R 409 | | RS1/10S681J |
| R 17 | | RS1/10S0R0J | R 410 | | RS1/10S682J |
| R 18 | | RS1/10S0R0J | | | |
| R 21 | | RS1/10S473J | | | |

| =====Circuit Symbol & No.====Part Name | | Part No. | =====Circuit Symbol & No.====Part Name | Part No. |
|--|-----|---------------|--|----------|
| R | 411 | RS1/10S472J | R | 630 |
| R | 412 | RS1/10S222J | R | 632 |
| R | 413 | RS1/10S222J | R | 636 |
| R | 414 | RS1/10S102J | R | 638 |
| R | 416 | RS1/10S473J | R | 639 |
| R | 417 | RS1/10S0R0J | R | 641 |
| R | 418 | RS1/10S102J | R | 653 |
| R | 419 | RS1/10S682J | R | 654 |
| R | 420 | RS1/10S472J | R | 655 |
| R | 421 | RS1/10S561J | R | 657 |
| R | 422 | RS1/10S103J | R | 658 |
| R | 423 | RS1/10S222J | R | 659 |
| R | 424 | RS1/10S152J | R | 660 |
| R | 425 | RS1/10S392J | R | 661 |
| R | 426 | RS1/10S392J | R | 662 |
| R | 427 | RS1/10S272J | R | 663 |
| R | 428 | RS1/10S0R0J | R | 664 |
| R | 429 | RS1/10S222J | R | 665 |
| R | 430 | RS1/10S562J | R | 801 |
| R | 433 | RS1/10S472J | R | 802 |
| R | 435 | RS1/10S0R0J | R | 803 |
| R | 436 | RS1/10S473J | R | 804 |
| R | 437 | RS1/10S473J | R | 805 |
| R | 501 | RS1/10S562J | R | 806 |
| R | 502 | RS1/10S102J | R | 807 |
| R | 503 | RS1/10S103J | R | 808 |
| R | 504 | RD1/4PU151J | R | 809 |
| R | 505 | RS1/10S3322F | R | 810 |
| R | 506 | RS1/10S0R0J | R | 811 |
| R | 507 | RS1/10S102J | R | 812 |
| R | 508 | RA3C102J | R | 813 |
| R | 511 | RS1/10S102J | R | 814 |
| R | 512 | RS1/10S102J | R | 818 |
| R | 513 | RS1/10S222J | R | 819 |
| R | 514 | RS1/10S222J | R | 912 |
| R | 515 | RS1/10S684J | R | 921 |
| R | 516 | RS1/10S681J | R | 922 |
| R | 517 | RS1/10S562J | R | 923 |
| R | 518 | RS1/10S222J | R | 931 |
| R | 519 | RS1/10S105J | R | 932 |
| R | 524 | RS1/10S681J | R | 933 |
| R | 530 | RS1/10S0R0J | R | 941 |
| R | 541 | RS1/10S0R0J | R | 942 |
| R | 601 | RS1/10S102J | R | 943 |
| R | 604 | RS1/10S681J | R | 947 |
| R | 605 | RS1/10S473J | R | 948 |
| R | 607 | RS1/10S473J | R | 949 |
| R | 608 | RS1/10S473J | R | 950 |
| R | 609 | RS1/10S473J | R | 951 |
| R | | | R | 954 |
| R | 611 | RA2CQ223J | | |
| R | 612 | RS1/10S473J | R | 955 |
| R | 615 | RS1/10S473J | R | 956 |
| R | 616 | RS1/10S393J | R | 957 |
| R | 617 | RS1/10S473J | R | 958 |
| R | | | R | 961 |
| R | 618 | RA3C681J | | |
| R | 619 | RS1/10S681J | R | 962 |
| R | 620 | RS1/10S681J | R | 963 |
| R | 621 | RA3C222J | R | 964 |
| R | 622 | RS1/10S473J | R | 971 |
| R | | | R | 972 |
| R | 623 | RN1/10SE2202D | | |
| R | 624 | RA3C473J | R | 974 |
| R | 627 | RS1/10S104J | R | 981 |
| R | 628 | RS1/10S104J | R | 982 |
| R | 629 | RS1/10S102J | R | 983 |
| R | | | R | 984 |

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| ====Circuit Symbol & No.====Part Name | | ====Circuit Symbol & No.====Part Name | | Part No. |
|---------------------------------------|--------------|---------------------------------------|-----------|--------------|
| --- | --- | --- | --- | ----- |
| R 991 | RD1/4PU221J | C 238 | | CCSQCH470J50 |
| R 992 | RS1/10S221J | C 353 | | CEJA100M16 |
| R 993 | RS1/10S222J | C 354 | | CEJA100M16 |
| R 994 | RS1/10S472J | C 373 | | CEJA4R7M35 |
| R 995 | RS1/10S681J | C 374 | | CEJA4R7M35 |
| R 996 | RA3C102J | C 401 | | CKSQYB103K50 |
| CAPACITORS | | C 402 | | CKSQYB223K25 |
| C 101 | CKSQYB104K50 | C 403 | | CKSQYB103K50 |
| C 102 | CKSQYB104K50 | C 405 | | CEJA220M10 |
| C 103 | CKSQYB102K50 | C 406 | | CKSQYB103K50 |
| C 104 | CEJA100M16 | C 407 | | CKSQYB471K50 |
| C 105 | CEJA1R0M50 | C 408 | | CCSQCH101J50 |
| C 106 | CEJA1R0M50 | C 409 | | CKSQYB223K25 |
| C 107 | CEJA100M16 | C 410 | | CKSQYB103K50 |
| C 108 | CEJA1R0M50 | C 411 | | CKSQYB472K50 |
| C 109 | CEJA1R0M50 | C 412 | | CKSQYB103K50 |
| C 151 | CKSQYB223K25 | C 413 | | CEJA220M10 |
| C 152 | CKSQYB223K25 | C 414 | | CKSQYB103K50 |
| C 153 | CEJA1R0M50 | C 415 | | CEJA220M6R3 |
| C 154 | CEJA1R0M50 | C 416 | | CKSQYB103K50 |
| C 171 | CKSYB224K16 | C 417 | | CKSQYB103K50 |
| C 172 | CKSYB224K16 | C 418 | | CCH1250 |
| C 173 | CKSYB224K16 | C 419 | 4.7μF/16V | CKSQYB103K50 |
| C 174 | CKSYB224K16 | C 420 | | CKLSR473K16 |
| C 175 | CEJA330M16 | C 421 | | CKSQYB332K50 |
| C 176 | CEJA1R0M50 | C 422 | | CKSQYB103K50 |
| C 177 | CCH1125 | C 423 | | CCH1250 |
| C 178 | CKSQYB104K50 | C 424 | 4.7μF/16V | CKSQYB103K50 |
| C 179 | CEHAR100M16 | C 425 | | CEJAR47M50 |
| C 180 | CEHAS1R0M50 | C 427 | | CKSQYB103K50 |
| C 181 | CKSQYB102K50 | C 428 | | CCSQCH150J50 |
| C 201 | CEJA1R0M50 | C 429 | | CCSQCH150J50 |
| C 202 | CEJA1R0M50 | C 430 | | CKSQYB103K50 |
| C 203 | CEJA1R0M50 | C 431 | | CKSQYB103K50 |
| C 204 | CEJA1R0M50 | C 432 | | CCSQCH101J50 |
| C 205 | CEJA1R0M50 | C 433 | | CKSQYB103K50 |
| C 206 | CEJA1R0M50 | C 434 | | CCSQCH101J50 |
| C 207 | CEJA1R0M50 | C 435 | | CKSQYB223K25 |
| C 208 | CEJA1R0M50 | C 436 | | CKSQYB103K50 |
| C 209 | CEJA470M10 | C 437 | | CKSQYB102K50 |
| C 211 | CKSQYB104K50 | C 438 | | CEJA220M6R3 |
| C 212 | CEJA100M16 | C 440 | | CKSQYB223K25 |
| C 213 | CKSQYB822K50 | C 501 | | CKSQYB104K50 |
| C 214 | CKSQYB822K50 | C 502 | | CKSQYB223K25 |
| C 215 | CEJA1R0M50 | C 503 | | CKSQYB223K25 |
| C 216 | CEJA1R0M50 | C 504 | | CCSQCH101J50 |
| C 217 | CEJANP100M10 | C 505 | | CEJA100M16 |
| C 218 | CEJANP100M10 | C 506 | | CKSQYB104K50 |
| C 219 | CEJANP100M10 | C 507 | | CKSQYB222K50 |
| C 220 | CEJANP100M10 | C 508 | | CKSQYB104K50 |
| C 221 | CEJANP100M10 | C 509 | | CKSYB105K16 |
| C 222 | CEJANP100M10 | C 510 | | CKSQYB104K50 |
| C 223 | CEJANP100M10 | C 511 | | CKSQYB472K50 |
| C 224 | CEJANP100M10 | C 512 | | CKSQYB103K50 |
| C 225 | CEJANP100M10 | C 513 | | CKSQYB102K50 |
| C 226 | CEJANP100M10 | C 514 | | CCSQCH270J50 |
| C 227 | CEJANP100M10 | C 515 | | CCSQCH270J50 |
| C 228 | CEJANP100M10 | C 517 | | CCSQCH101J50 |
| C 229 | CEJANP100M10 | C 601 | | CCSQCH180J50 |
| C 230 | CEJANP100M10 | C 602 | | CCSQCH180J50 |
| C 231 | CEJANP100M10 | C 603 | | CEJA101M10 |
| C 232 | CEJANP100M10 | C 604 | | CCSQCH101J50 |
| C 233 | CEJANP100M10 | C 606 | | CCSQCH101J50 |
| C 234 | CEJANP100M10 | C 607 | | CKSQYB102K50 |
| C 235 | CEJANP100M10 | C 608 | | CCSQCH101J50 |
| C 236 | CEJANP100M10 | | | |
| C 237 | CEJANP100M10 | | | |
| | CKSQYB104K50 | | | |
| | CKSQYB473K16 | | | |
| | CKSQYB562K50 | | | |
| | CKSQYB104K50 | | | |
| | CKSQYB473K16 | | | |

| =====Circuit Symbol & No.====Part Name | | | Part No. | =====Circuit Symbol & No.====Part Name | | | Part No. |
|--|-----------------------|---|--------------|--|--------|--|--------------|
| C 610 | | | CCSQCH101J50 | S 1904 | Switch | | CSG1099 |
| C 653 | | | CKSQYB103K50 | S 1905 | Switch | | CSG1099 |
| C 654 | | | CKSQYB103K50 | S 1906 | Switch | | CSG1043 |
| C 655 | | | CKSQYB103K50 | S 1908 | Switch | | CSG1099 |
| C 801 | | | CKSQYB103K50 | S 1910 | Switch | | CSG1085 |
| C 802 | 220μF/10V | | CCH1014 | S 1911 | Switch | | CSG1099 |
| C 803 | | | CCSQCH101J50 | S 1912 | Switch | | CSG1078 |
| C 804 | | | CCSQCH101J50 | S 1913 | Switch | | CSG1084 |
| C 805 | 220μF/10V | | CCH1014 | S 1914 | Switch | | CSG1085 |
| C 806 | | | CCSQCH101J50 | S 1915 | Switch | | CSG1084 |
| C 912 | | | CKSQYB472K50 | S 1917 | Switch | | CSG1085 |
| C 913 | | | CEJA470M10 | S 1918 | Switch | | CSG1084 |
| C 941 | | | CEAS331M10 | S 1919 | Switch | | CSG1085 |
| C 942 | | | CKSQYB103K50 | S 1920 | Switch | | CSG1084 |
| C 943 | | | CEJA101M16 | S 1921 | Switch | | CSG1085 |
| C 951 | | | CKSYF105Z25 | S 1922 | Switch | | CSG1085 |
| C 971 | 0.22F/5.5V | | CCL1037 | S 1923 | Switch | | CSG1085 |
| C 972 | | | CEJA2R2M50 | S 1924 | Switch | | CSG1084 |
| C 991 | | | CKSQYB473K16 | S 1930 | Switch | | CSN1027 |
| C 992 | | | CKSQYB102K50 | LCD1901 | LCD | | CAW1403 |
| C 993 | | | CEJA101M10 | | EL | | CEL1493 |
| RESISTORS | | | | | | | |
| Keyboard Unit Consists of Keyboard PCB Switch PCB | | | R 1901 | | | | RS1/8S222J |
| | | | R 1902 | | | | RS1/8S222J |
| | | | R 1903 | | | | RS1/10S272J |
| | | | R 1904 | | | | RS1/10S121J |
| | | | R 1905 | | | | RS1/10S102J |
| C F | Unit Number : CWM5062 | Unit Name : Keyboard Unit(DEH-P835R/EW) | R 1906 | | | | RS1/10S103J |
| MISCELLANEOUS | | | | | | | |
| IC 1901 | IC | | RS-140 | R 1907 | | | RS1/10S470J |
| IC 1902 | IC | | PD6199A | R 1908 | | | RS1/10S470J |
| IC 1903 | IC | | PD6200A | R 1909 | | | RS1/10S470J |
| IC 1904 | IC | | SC14SU69F | R 1910 | | | RS1/10S470J |
| Q 1901 | Transistor | | 2SC2712 | R 1911 | | | RS1/4S561J |
| Q 1902 | Transistor | | IMH10A | R 1912 | | | RS1/4S561J |
| Q 1903 | Transistor | | DTC143TK | R 1913 | | | RS1/10S151J |
| Q 1904 | Transistor | | IMH10A | R 1915 | | | RS1/8S271J |
| Q 1905 | Transistor | | IMH10A | R 1917 | | | RS1/8S271J |
| Q 1906 | Transistor | | IMH10A | R 1918 | | | RS1/10S151J |
| Q 1907 | Transistor | | IMH10A | R 1919 | | | RS1/10S151J |
| D 1901 | Diode | | MA153 | R 1920 | | | RS1/10S151J |
| D 1902 | Diode | | MA153 | R 1921 | | | RS1/10S151J |
| D 1903 | LED | | CL155DPGD | R 1922 | | | RS1/10S103J |
| D 1904 | LED | | CL155DPGD | R 1923 | | | RS1/10S470J |
| D 1905 | LED | | CL170DCD | R 1925 | | | RS1/10S470J |
| D 1906 | LED | | CL170DCD | R 1927 | | | RS1/8S271J |
| D 1907 | LED | | CL170PGCD | R 1928 | | | RS1/10S151J |
| D 1909 | LED | | CL170DCD | R 1929 | | | RS1/10S151J |
| D 1910 | LED | | CL170DCD | R 1931 | | | RS1/10S151J |
| D 1905 | LED | | CL170DCD | R 1936 | | | RS1/10S470J |
| D 1906 | LED | | CL170DCD | R 1941 | | | RS1/10S470J |
| D 1907 | LED | | CL170PGCD | R 1942 | | | RS1/10S470J |
| D 1909 | LED | | CL170DCD | | | | |
| D 1910 | LED | | CL170DCD | | | | |
| CAPACITORS | | | | | | | |
| D 1911 | LED | | CL170DCD | C 1901 | | | CSZS100M6R3 |
| D 1912 | LED | | CL170DCD | C 1902 | | | CSZS100M6R3 |
| D 1913 | LED | | CL170DCD | C 1903 | | | CKSQYB103K50 |
| D 1914 | LED | | CL170DCD | C 1904 | | | CKSQYB103K50 |
| D 1915 | LED | | CL170DCD | C 1905 | | | CKSQYB103K50 |
| D 1916 | LED | | CL170DCD | C 1906 | | | CKSQYB103K50 |
| D 1917 | LED | | CL170DCD | C 1907 | | | CKSQYB103K50 |
| D 1918 | LED | | CL170DCD | C 1908 | | | CKSQYB103K50 |
| D 1919 | LED | | CL170DCD | C 1909 | | | CKSQYB103K50 |
| L 1901 | Inductor | | LCTB2R2K2125 | C 1910 | | | CKSQYB103K50 |
| L 1902 | Inductor | | LCTB2R2K2125 | C 1911 | | | CKSQYB103K50 |
| X 1901 | Resonator 5.0000MHz | | CSS1405 | C 1912 | | | CCSQCH220J50 |
| S 1901 | Switch | | CSG1043 | C 1913 | | | CCSQCH220J50 |
| S 1902 | Switch | | CSG1099 | | | | |
| S 1903 | Switch | | CSG1085 | | | | |

DEH-P835R, P735R

| ====Circuit Symbol & No.====Part Name | | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|---------------------|--|---|--------------------------|
| RESISTORS | | | | |
| C | F | Unit Number : CWM5416 Unit Name : Keyboard Unit(DEH-P735R/EW) | R 1901 | RS1/8S222J |
| IC 1901 | HIC | RS-140 | R 1902 | RS1/8S222J |
| IC 1902 | IC | PD6199A | R 1903 | RS1/10S272J |
| Q 1901 | Transistor | 2SC2712 | R 1904 | RS1/10S121J |
| Q 1902 | Transistor | IMH10A | R 1905 | RS1/8S102J |
| Q 1903 | Transistor | DTC143TK | R 1906 | RS1/10S103J |
| Q 1904 | Transistor | IMH10A | R 1907 | RS1/10S470J |
| Q 1905 | Transistor | IMH10A | R 1908 | RS1/10S470J |
| Q 1906 | Transistor | IMH10A | R 1909 | RS1/10S470J |
| Q 1907 | Transistor | IMH10A | R 1910 | RS1/10S470J |
| D 1901 | Diode | MA153 | R 1911 | RS1/4S561J |
| D 1902 | Diode | MA153 | R 1912 | RS1/4S561J |
| D 1903 | LED | CL155DPGD | R 1913 | RS1/10S151J |
| D 1904 | LED | CL155DPGD | R 1915 | RS1/8S271J |
| D 1905 | LED | CL170DCD | R 1917 | RS1/8S271J |
| D 1906 | LED | CL170DCD | R 1919 | RS1/10S151J |
| D 1907 | LED | CL170PGCD | R 1921 | RS1/10S151J |
| D 1909 | LED | CL170DCD | R 1923 | RS1/10S151J |
| D 1910 | LED | CL170DCD | R 1925 | RS1/10S151J |
| D 1911 | LED | CL170DCD | R 1927 | RS1/8S271J |
| D 1912 | LED | CL170DCD | R 1929 | RS1/8S151J |
| D 1913 | LED | CL170DCD | R 1936 | RS1/10S103J |
| D 1914 | LED | CL170DCD | R 1940 | RS1/10S0R0J |
| D 1915 | LED | CL170DCD | R 1941 | RS1/10S470J |
| D 1916 | LED | CL170DCD | R 1942 | RS1/10S470J |
| D 1917 | LED | CL170DCD | CAPACITORS | |
| D 1918 | LED | CL170DCD | C 1901 | CSZS100M6R3 |
| D 1919 | LED | CL170DCD | C 1902 | CSZS100M6R3 |
| L 1901 | Inductor | LCTB2R2K2125 | C 1903 | CKSQYB103K50 |
| X 1901 | Resonator 5.0000MHz | CSS1405 | C 1904 | CKSQYB103K50 |
| S 1901 | Switch | CSG1043 | C 1905 | CKSQYB103K50 |
| S 1902 | Switch | CSG1099 | D Unit Number : Unit Name : Detector PCB | |
| S 1903 | Switch | CSG1085 | Q 1 | Photo-transistor |
| S 1904 | Switch | CSG1099 | Q 2 | Photo-transistor |
| S 1905 | Switch | CSG1099 | Miscellaneous Parts List | |
| S 1906 | Switch | CSG1043 | M 1 | Pickup Unit(SERVICE) |
| S 1908 | Switch | CSG1099 | M 2 | Motor Unit(SPINDLE) |
| S 1910 | Switch | CSG1085 | M 3 | CRG Motor Unit(CARRIAGE) |
| S 1911 | Switch | CSG1099 | | Load Motor Unit(LOADING) |
| S 1912 | Switch | CSG1078 | | |
| S 1913 | Switch | CSG1084 | | |
| S 1914 | Switch | CSG1085 | | |
| S 1915 | Switch | CSG1084 | | |
| S 1917 | Switch | CSG1085 | | |
| S 1918 | Switch | CSG1084 | | |
| S 1919 | Switch | CSG1085 | | |
| S 1920 | Switch | CSG1084 | | |
| S 1921 | Switch | CSG1085 | | |
| S 1922 | Switch | CSG1085 | | |
| S 1923 | Switch | CSG1085 | | |
| S 1924 | Switch | CSG1084 | | |
| S 1930 | Switch | CSN1027 | | |
| LCD1901 | LCD | CAW1404 | | |
| | EL | CEL1493 | | |

6. ADJUSTMENT

6.1 TUNER ADJUSTMENT

● Connection Diagram

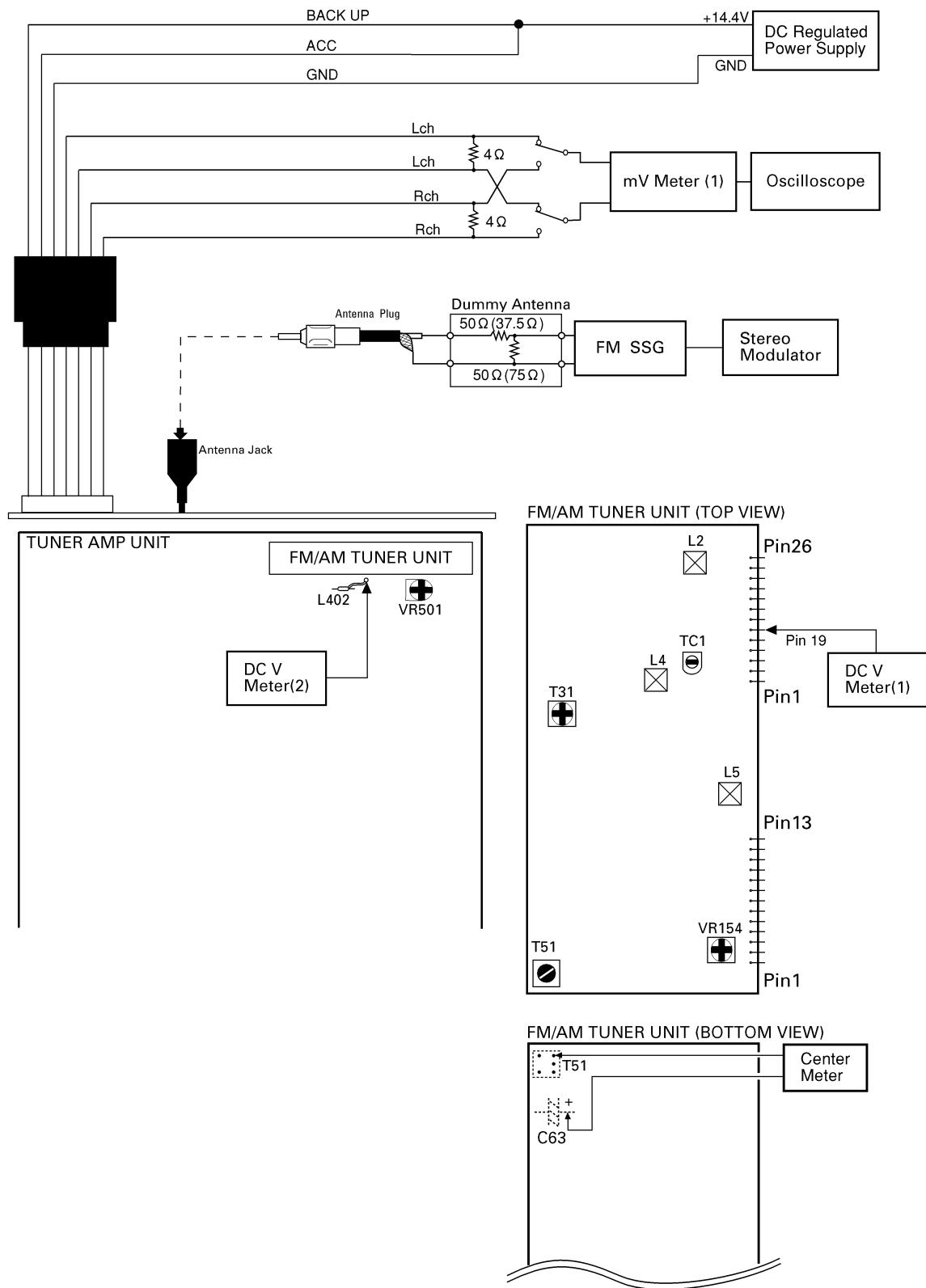


Fig. 22

FM ADJUSTMENT

Modulation M:MONO MOD., 400Hz 30%(22.5kHz Dev.)

S1:STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)

S2:STEREO MOD., 1kHz, L or R=60%(40.50kHz+7.5kHz Dev.)

NOTE:Before proceeding to further adjustments after switching power ON, let the tuner run for ten minutes to allow the circuits to stabilize.

| | No. | FM SSG | | Displayed Frequency(MHz) | Adjustment Point | Adjustment Method (Switch Position) |
|----------|-----|----------------|------------|--------------------------|------------------|---|
| | | Frequency(MHz) | Level(dBf) | | | |
| TUN Volt | 1 | | | 108.0 | L5 | DC V Meter(1) : 6V |
| IF | 1 | 98.1 M | 60 | 98.1 | T51 | Center Meter : 0 |
| ANT Coil | 1 | 98.1 M | 5 | 98.1 | L2 | mV Meter(1) : Maximum |
| RF Coil | 1 | 98.1 M | 5 | 98.1 | L4 | mV Meter(1) : Maximum |
| Image | 1 | 129.3 M | 60—80 | 107.9 | TC1 | mV Meter(1) : Minimum |
| IFT | 1 | 98.1 M | 5 | 98.1 | T31 | mV Meter(1) : Maximum (STEREO MODE) |
| ARC | 1 | 98.1 S1 | 39 | 98.1 | VR154 | mV Meter(1) : Separation 5dB (STEREO MODE) |

RDS SL ADJUSTMENT

| | No. | FM SSG | | Displayed Frequency(MHz) | Adjustment Point | Adjustment Method (Switch Position) |
|--|-----|----------------|------------|--------------------------|------------------|-------------------------------------|
| | | Frequency(MHz) | Level(dBf) | | | |
| | 1 | 104.0 S2 | 35 | 104.0 | VR701 | DC V Meter(2) : 1.75V±0.05V |

6.2 CHECKING THE GRATING

● Checking the Grating After Changing the Service Pickup Unit

· Note :

Unlike previous CD mechanism modules the grating angle of the Pickup unit cannot be adjusted after the Pickup unit is changed. The Pickup unit in the CD mechanism module is adjusted on the production line to match the CD mechanism module and is thus the best adjusted Pickup unit for the CD mechanism module. Changing the Pickup unit is thus best considered as a last resort. However, if the Pickup unit must be changed, the grating should be checked using the procedure below.

· Purpose :

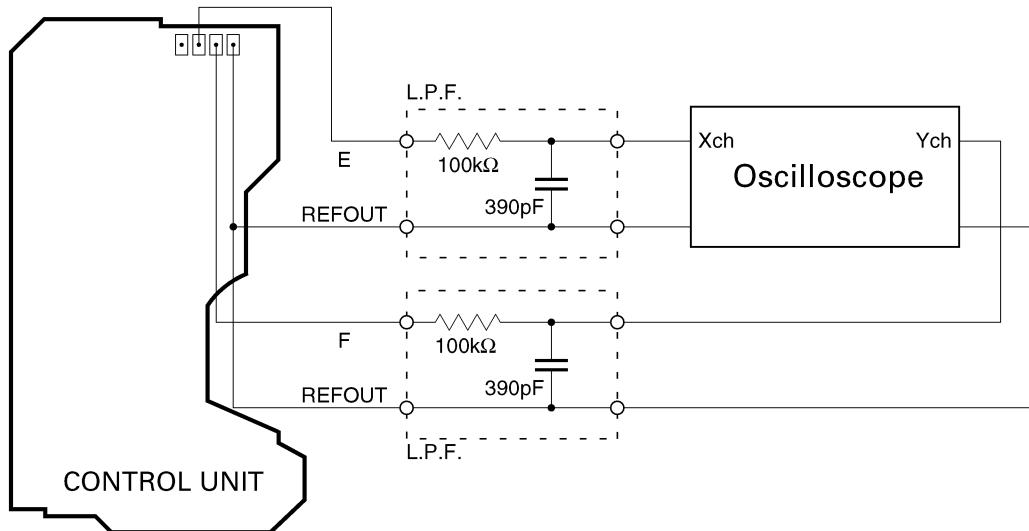
To check that the grating is within an acceptable range.

· Symptoms of Mal-adjustment :

If the grating is off by a large amount symptoms such as being unable to close tracking, being unable to perform track search operations, or track searching taking a long time, may appear.

· Method :

- | | |
|-----------------------|----------------------------|
| · Measuring Equipment | · Oscilloscope, Two L.P.F. |
| · Measuring Points | · E, F, REFOUT |
| · Disc | · ABEX TCD-784 |
| · Mode | · TEST MODE |

**· Checking Procedure**

1. In test mode, load the disc and switch the 5V regulator on.
2. Using the → and ← buttons, move the Pickup unit to the innermost track.
3. Press key 3 to close focus, the display should read "91". Press key 2 to implement the tracking balance adjustment the display should now read "81". Press key 3 4 times. The display will change, returning to "81" on the fourth press.
4. As shown in the diagram above, monitor the LPF outputs using the oscilloscope and check that the phase difference is within 75° . Refer to the photographs supplied to determine the phase angle.
5. If the phase difference is determined to be greater than 75° try changing the Pickup unit to see if there is any improvement. If, after trying this a number of times, the grating angle does not become less than 75° then the mechanism should be judged to be at fault.

· Note

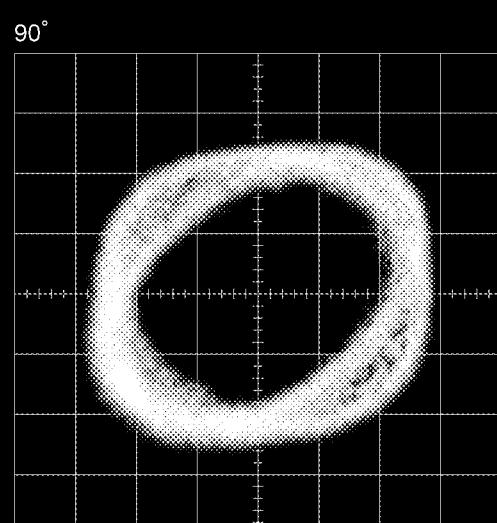
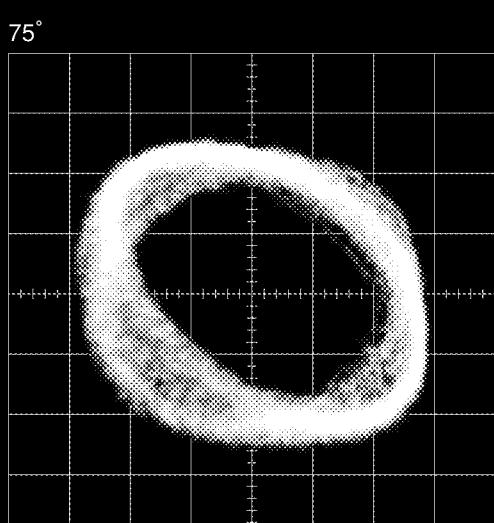
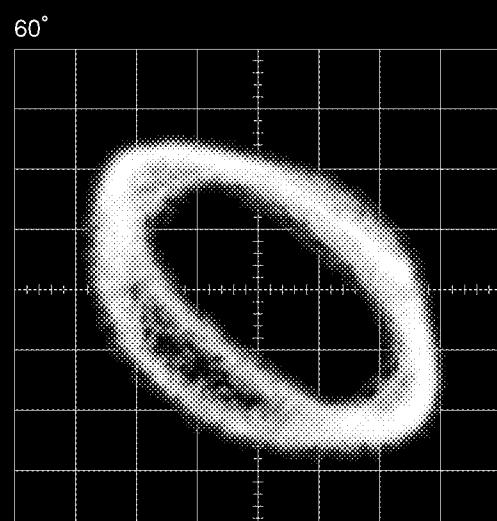
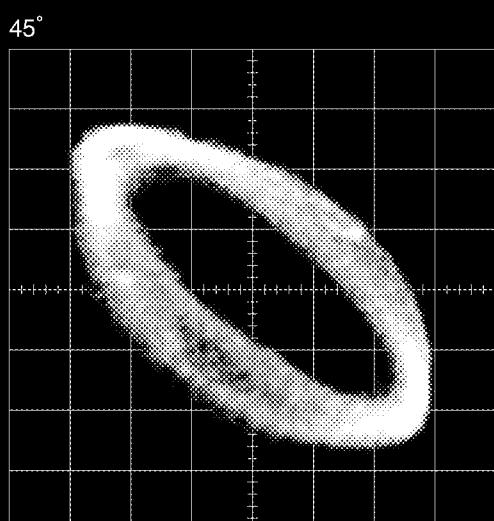
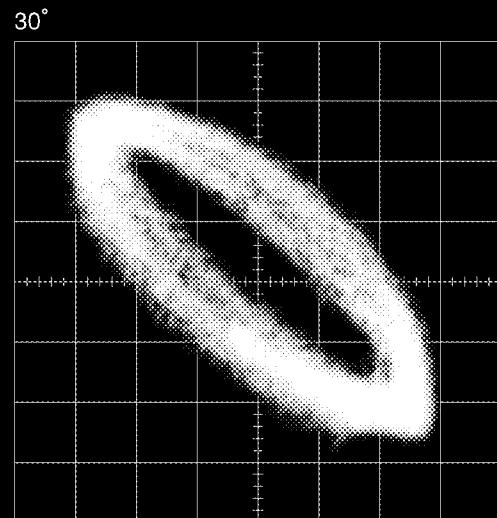
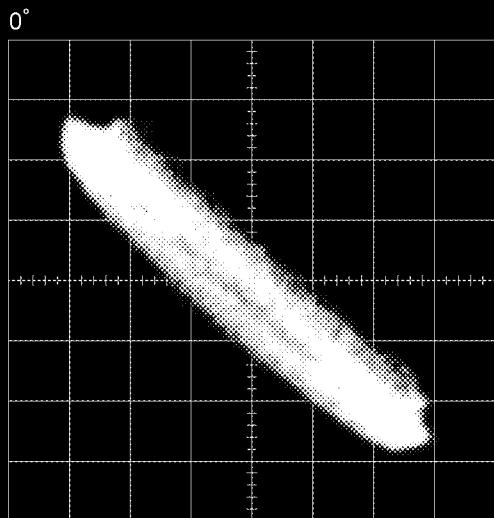
Because of eccentricity in the disc and a slight misalignment of the clamping center the grating waveform may be seen to "wobble" (the phase difference changes as the disc rotates). The angle specified above indicates the average angle.

· Hint

Reloading the disc changes the clamp position and may decrease the "wobble".

Grating waveform

Ech → Xch 20mV/div, AC
Fch → Ych 20mV/div, AC

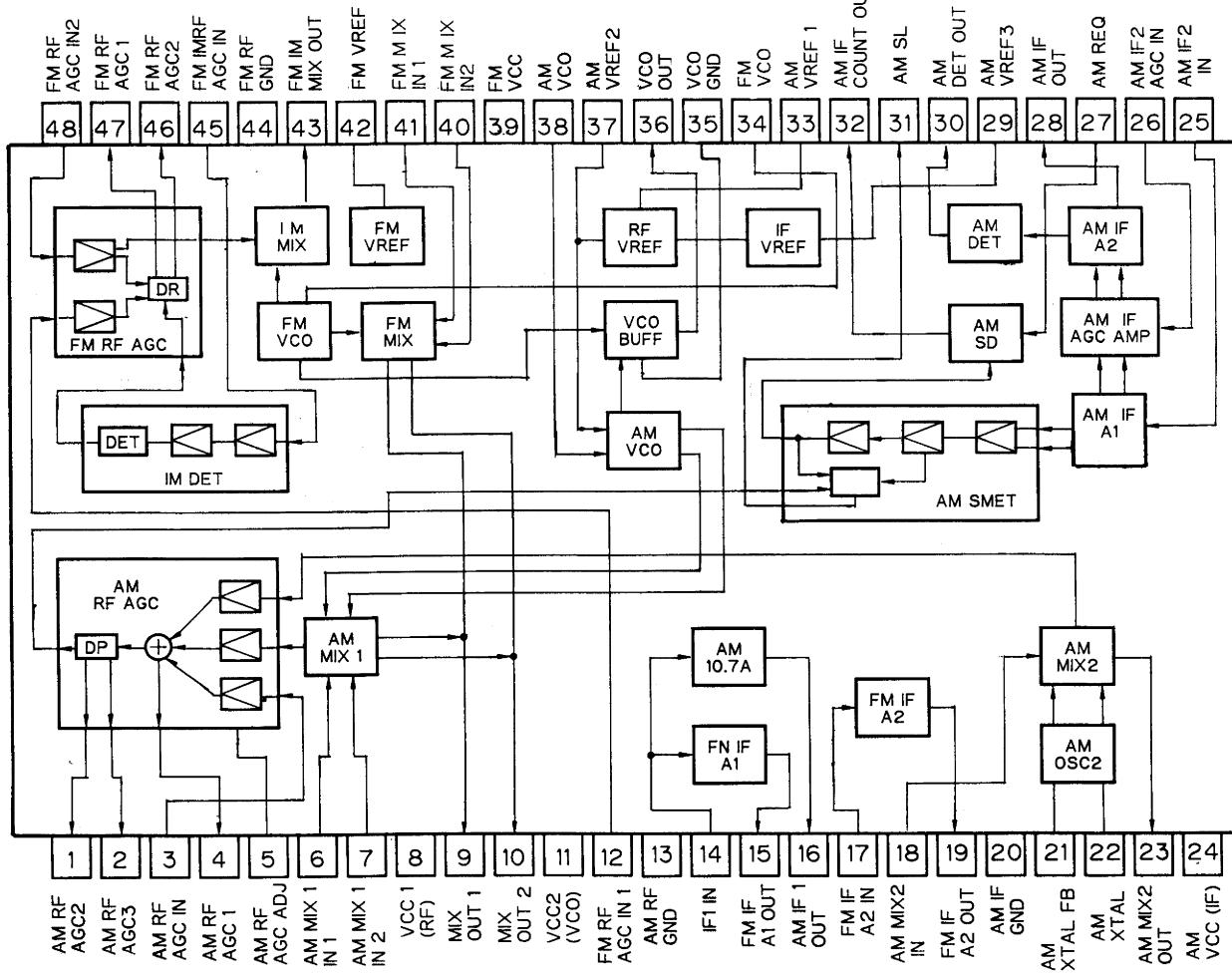


7. GENERAL INFORMATION

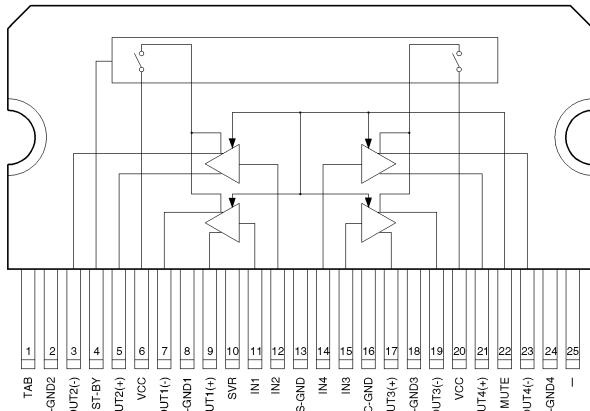
7.1 PARTS

7.1.1 IC

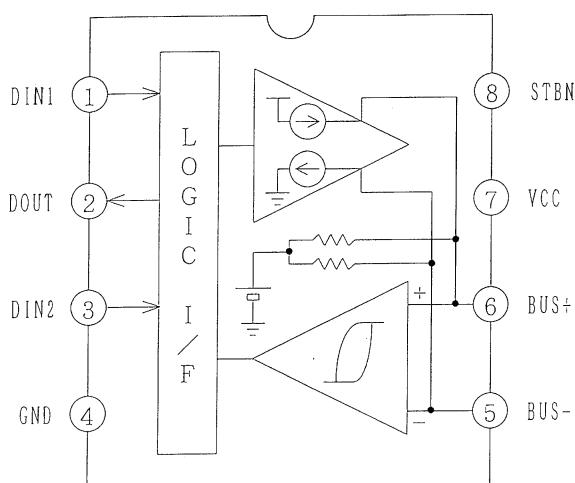
PA4023B



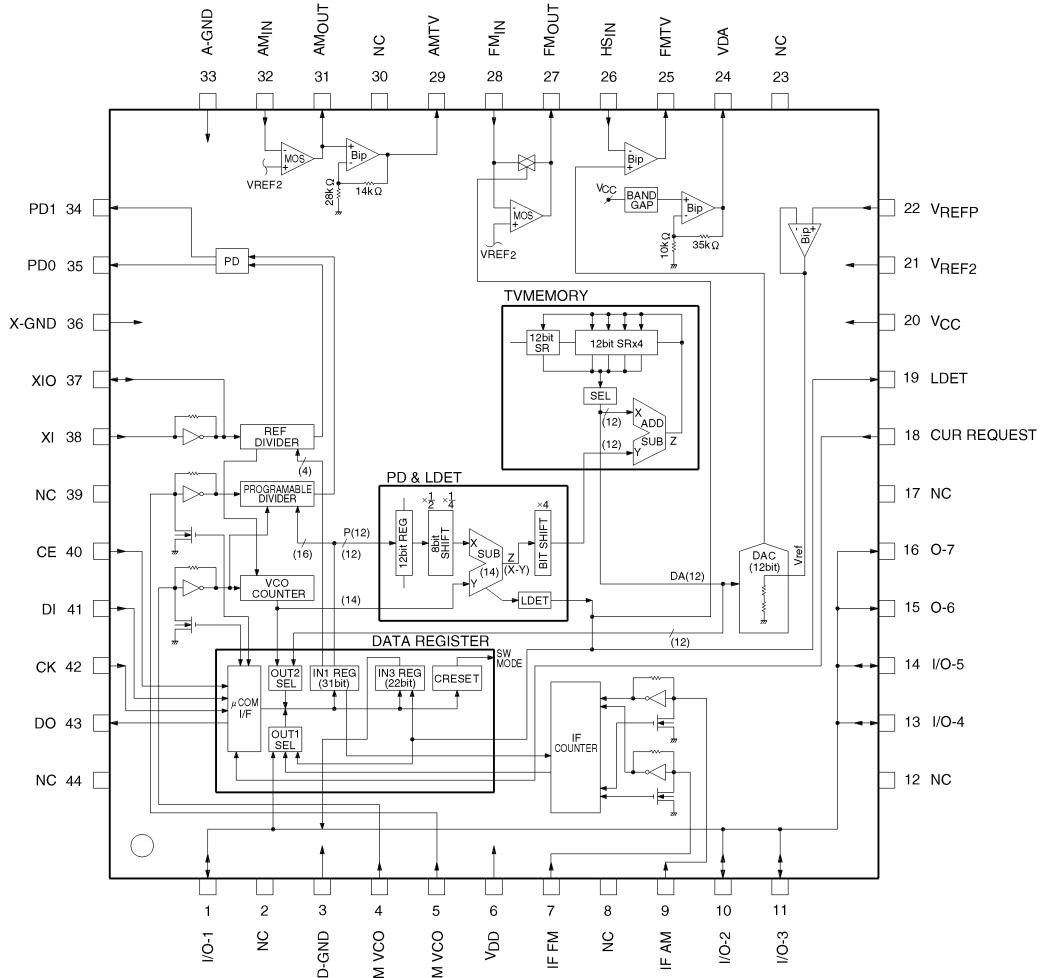
TDA7386



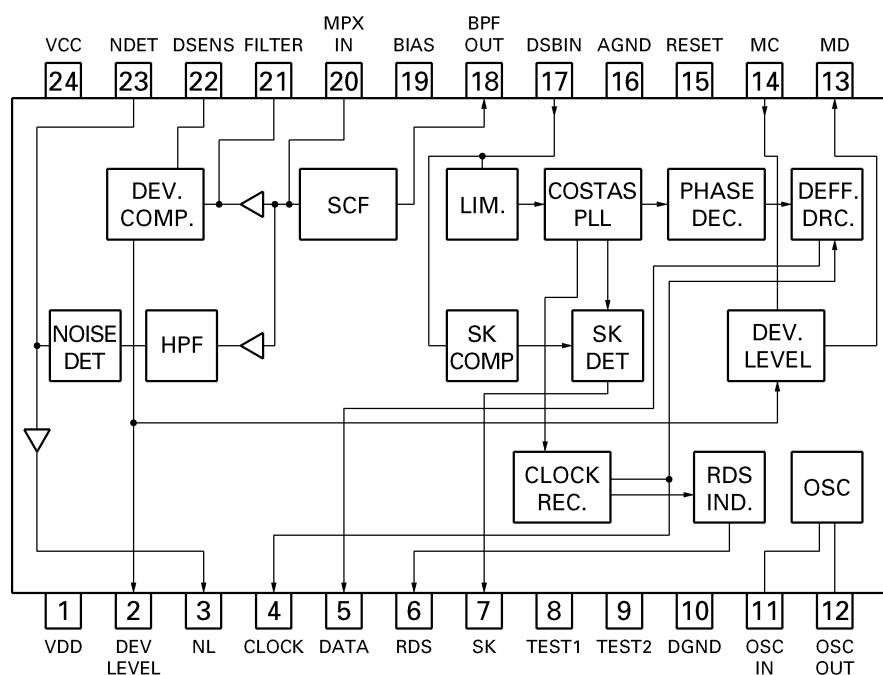
PM0008BF



PM2005B

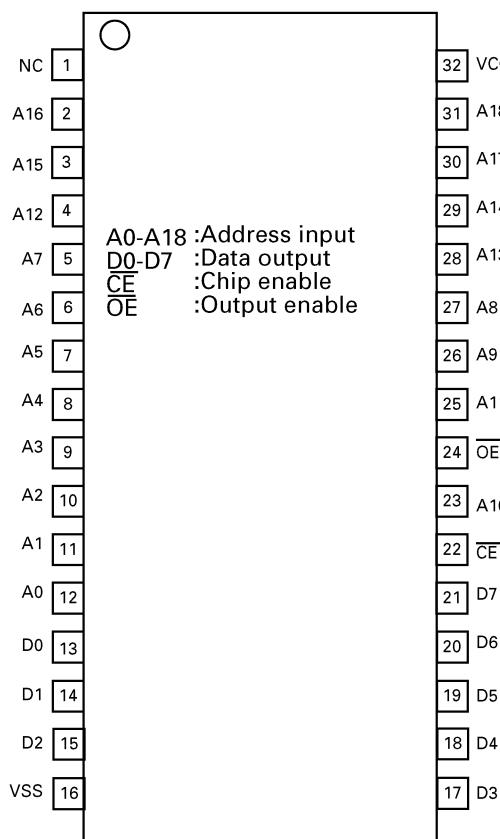


*PMW001B



DEH-P835R, P735R

*PD8027A



IC's marked by are MOS type.*

Be careful in handling them because they are very liable to be damaged by electrostatic induction.

● Pin Functions (PD4771A)

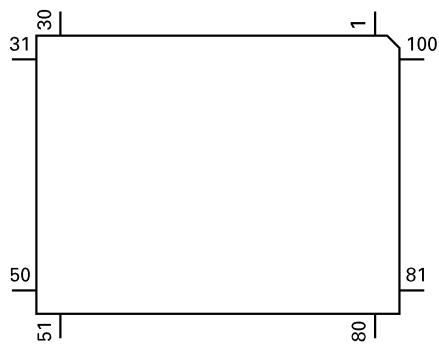
| Pin No. | Pin Name | I/O | Function and Operation |
|---------|----------|-----|---|
| 1 | SWVDD | O | Keyboard unit power supply control output |
| 2 | DSENS | I | Grille detach sense input |
| 3 | CSENS | I | Flap close sense input |
| 4 | ISENS | I | Illumination power supply sense input |
| 5 | TESTIN | I | Test program mode input |
| 6 | DRST | O | RDS reset output |
| 7 | ERROR | O | RDS disapprove of error correction output |
| 8 | SK | I | RDS SK signal input |
| 9 | RECIVE | I | During RDS data reception output |
| 10 | L/S | O | RDS fuzzy control output |
| 11 | RESET | I | Reset input |
| 12 | XT2 | | Not used |
| 13 | XT1 | | Not used |
| 14 | VSS | | GND |
| 15 | X2 | | Crystal oscillator connection pin |
| 16 | X1 | | Crystal oscillator connection pin |
| 17 | REGC | | Connect to VDD |
| 18 | REGOFF | | Connect to VDD |
| 19 | VDD | | Power supply |
| 20 | ILMPW | O | Illumination power supply control output |
| 21 | SYSPWR | O | System power control |
| 22 | ADPW | O | A/D converter power |
| 23 | LCDPW | O | LCD back light power supply control output |
| 24 | IPPW | O | Power supply control output for IP BUS interface IC |
| 25 | ASENBO | O | Slave power supply control output |
| 26 | AM | O | AM power output |
| 27 | TELIN | I | Telephone mute input |

| Pin No. | Pin Name | I/O | Function and Operation |
|---------|--------------|-----|--|
| 28 | MUTE | O | Mute output |
| 29 | DIM | O | Dimmer select output |
| 30 | SPMPX0 | O | MPX output for spectrum analyzer |
| 31 | SPMPX1 | O | MPX output for spectrum analyzer |
| 32 | SPMPX2 | O | MPX output for spectrum analyzer |
| 33 | VCK | O | Clock output for electronic volume |
| 34 | VST | O | Strobe pulse output for electronic volume |
| 35 | VDT | O | Data output for electronic volume |
| 36 | <u>TMUTE</u> | O | Tuner mute output |
| 37 | SEL1 | I | Destination sense input |
| 38 | SD | I | SD input |
| 39 | <u>ST</u> | I | FM stereo input |
| 40 | VSS | | GND |
| 41 | VDD | | Power supply |
| 42 | MDSENCE | I | Modulation detect input |
| 43 | MUTCNT | I | NF mute control input |
| 44 | RDSLK | I | RDS LK signal input |
| 45 | CURRO | O | Tuner voltage FIX output |
| 46 | RDT | I | RDS demodulation data input |
| 47 | DRELAY | O | External relay output |
| 48 | DRSENS | I | Door open/close sense input |
| 49 | DRSYS | O | Door system select output |
| 50 | <u>DLED</u> | O | Alarm LED output |
| 51 | DLSENS | I | Door lock sense input |
| 52 | STCUT | O | Starter cut off output |
| 53 | MOSENS | I | Motion/window damage sensor input |
| 54 | CD5VON | O | CD +5V power supply control output |
| 55 | CONT | O | CD Servo driver power supply control |
| 56 | VDCONT | O | CD VD control output |
| 57 | CDMUTE | O | CD mute output |
| 58 | CDEJET | O | CD load motor eject control output |
| 59 | CDLOAD | O | CD LOAD motor loading control output |
| 60 | LOCK | I | CD spindle lock detector input |
| 61 | FOK | I | CD focus OK signal input |
| 62 | PCL | O | Clock adjustment output |
| 63 | MIRR | O | CD MIRR detection signal output terminal |
| 64 | <u>CLAMP</u> | I | CD disc clamp sense input |
| 65 | <u>XSCK</u> | O | CD LSI clock output |
| 66 | XSI | I | CD LSI data input |
| 67 | XSO | O | CD LSI data output |
| 68 | XA0 | O | CD Control signal distinguishing data output |
| 69 | <u>XRST</u> | O | CD LSI reset output |
| 70 | XSTB | O | CD LSI strobe output |
| 71 | VSRS | O | SRS output |
| 72 | VHIOUT | O | High output select output |
| 73 | TEST | I | Test terminal |
| 74 | SL | I | Signal level input from tuner |
| 75 | LEVEL | I | Level input for spectrum analyzer |
| 76 | CL | I | Detuning sense input |
| 77 | NL | I | RDS noise level input |
| 78 | EJTSNS | I | Disc EJECT position detect |
| 79 | DSCSNS | I | Disc detect |
| 80 | VDSENS | I | CD VD short detection input |
| 81 | TEMP | I | Temperature detect input |
| 82,83 | VDD | | Positive power supply terminal for logic circuit |
| 84 | GND | | GND |
| 85 | RX | I | IP BUS data input |
| 86 | TX | O | IP BUS data output |

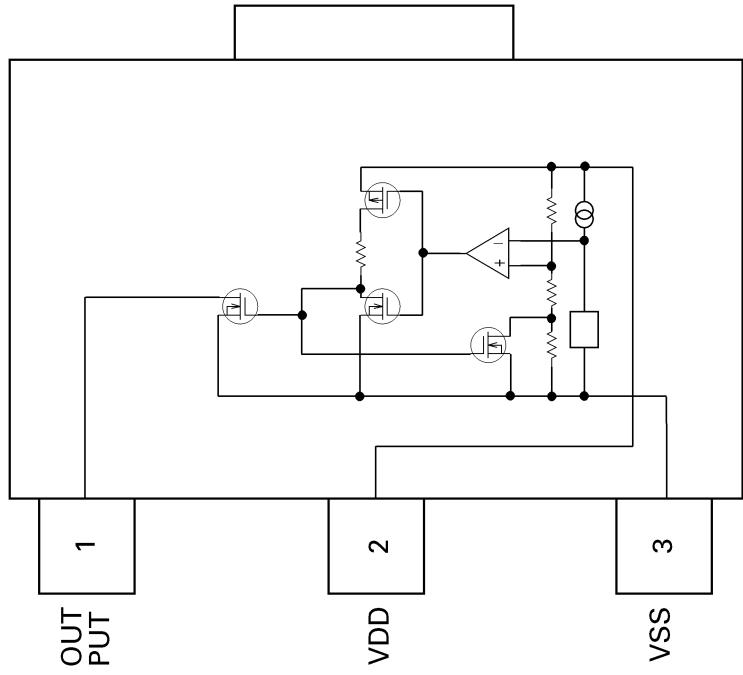
DEH-P835R, P735R

| Pin No. | Pin Name | I/O | Function and Operation |
|---------|----------|-----|------------------------------|
| 87 | GND | | GND |
| 88 | LDET | I | PLL lock sense input |
| 89 | RCK | I | RDS demodulation clock input |
| 90 | RDS57K | I | 57kHz BP-OUT sense input |
| 91 | SEL0 | I | Destination sense input |
| 92 | ASENS | I | ACC power sense input |
| 93 | BSENS | I | Back up power sense input |
| 94 | TUNPDI | I | PLL IC data input |
| 95 | KEYDT | I | Display data input |
| 96 | DPDT | O | Display data output |
| 97 | TUNPCK | O | PLL IC clock |
| 98 | TUNPDO | O | PLL IC data output |
| 99 | TUNPCE | O | PLL IC chip enable |
| 100 | PEE | O | Beep tone output |

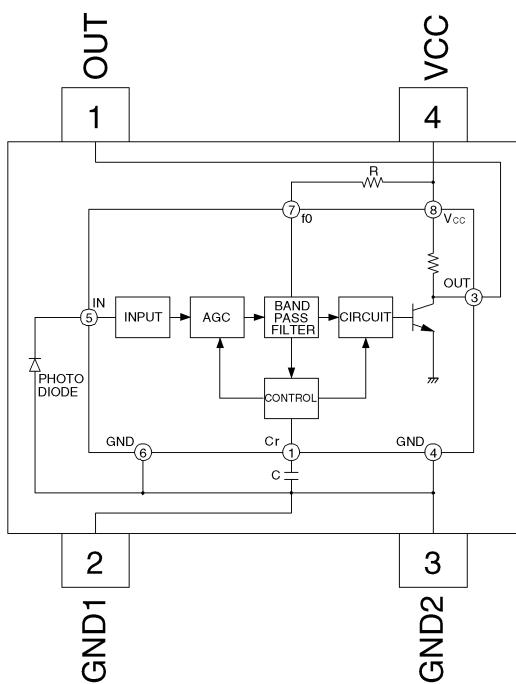
*PD4771A



S-80730ANDT



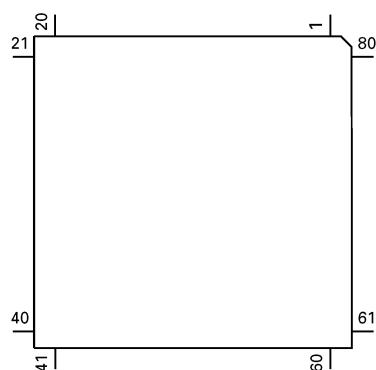
RS-140



● Pin Functions (PD6199A)

| Pin No. | Pin Name | I/O | Format | Function and Operation |
|---------|------------------|-----|--------|-----------------------------------|
| 1 | VSS | | | GND |
| 2 | XI | I | | Crystal oscillator connection pin |
| 3 | XO | I | | Crystal oscillator connection pin |
| 4 | \overline{RST} | I | | System reset |
| 5,6 | MOD1,0 | I | | Model select input |
| 7 | LED | O | C | LED control output |
| 8 | SO | O | C | Key data output |
| 9 | SI | I | | Serial data input |
| 10 | REM | I | | Remote control reception |
| 11 | SDRQ | I | | Reception error request input |
| 12 | ILM | O | C | Illumination color select output |
| 13-16 | KD4-KD1 | I | | Key sense input |
| 17-22 | KST6-1 | O | N | Key strobe output |
| 23 | VCC | | | Power supply terminal |
| 24-73 | SEG49-0 | O | | LCD segment output |
| 74-77 | COM3-0 | O | | LCD common output |
| 78-80 | V3-V1 | | | LCD Power supply terminal |

*PD6199A



| Format | Meaning |
|--------|----------------------|
| C | C MOS |
| N | N channel open drain |

*PD6200A



● Pin Functions (PD6200A)

| Pin No. | Pin Name | I/O | Function and Operation |
|---------|------------------|-----|-----------------------------------|
| 1 | VSS | | GND |
| 2 | XI | I | Crystal oscillator connection pin |
| 3 | XO | I | Crystal oscillator connection pin |
| 4 | \overline{RST} | I | System reset |
| 5,6 | MOD1,0 | I | Model select input |
| 7,8 | NC | | Not used |
| 9 | SI | I | Serial data input |
| 10 | NC | | Not used |
| 11 | RVER | O | Reception error output |
| 12-22 | NC | | Not used |
| 23 | VCC | | Power supply terminal |
| 24-73 | SEG49-0 | O | LCD segment output |
| 74-77 | COM3-0 | O | LCD common output |
| 78-80 | V3-V1 | | LCD Power supply terminal |

DEH-P835R, P735R

7.1.2 DISPLAY

● CAW1403(DEH-P835R/EW)

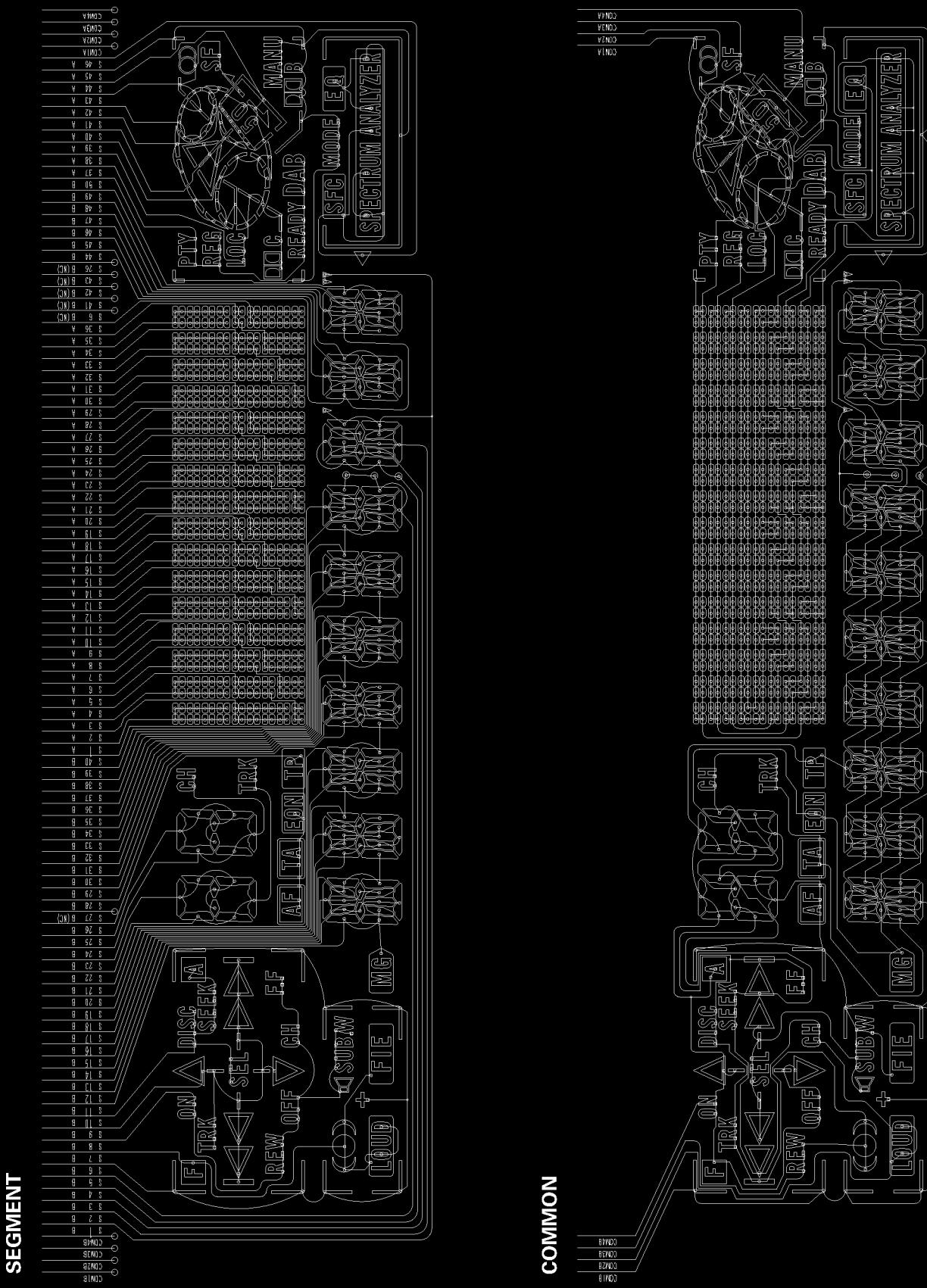


Fig. 23

● CAW1404(DEH-P735R/EW)

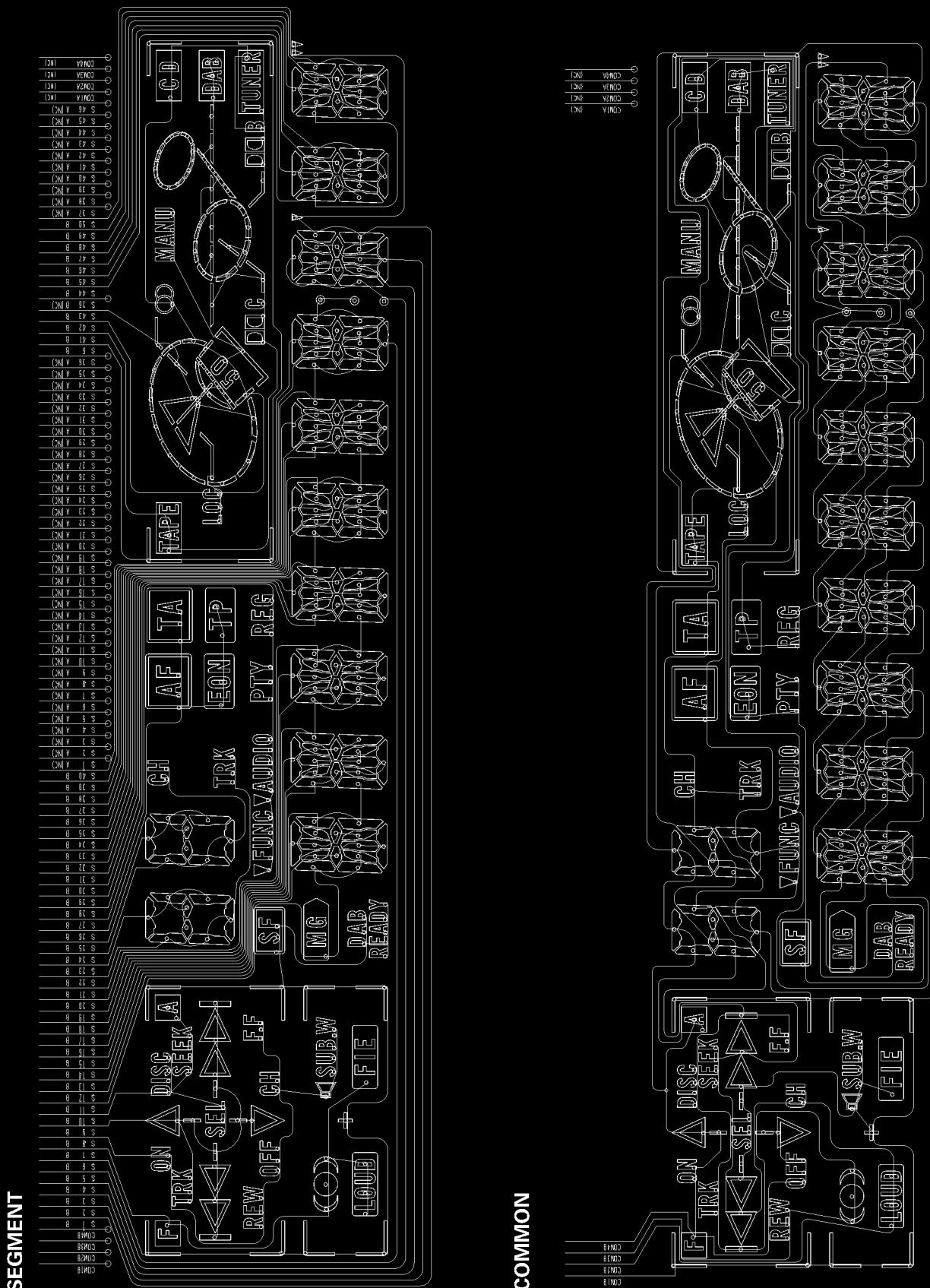


Fig. 24

7.2 DIAGNOSIS

7.2.1 DISASSEMBLY

● Removing the Case(Not shown)

1. Remove the two screws.
2. Insert and turn a flat screwdriver to remove the case.

● Removing the Detach Grille Assy(Fig.25)

1. Press the open button, and then pull Detach Grille Assy.

● Removing the Panel Assy(Fig.25)

1. Remove the two screws A.
2. Disconnect the two connectors.
3. Disconnect the two stoppers indicated by arrows, and then remove the Panel Assy.

● Removing the CD Mechanism Module(Fig.25)

1. Remove the four screws.
2. Disconnect the connector.
3. Remove the CD Mechanism Module.

● Removing the Chassis Unit(Fig.26)

1. Remove the two screws C, screw D, two screws E, screw F, and screw G.
2. Stretch the four claws, and then remove the Chassis Unit.

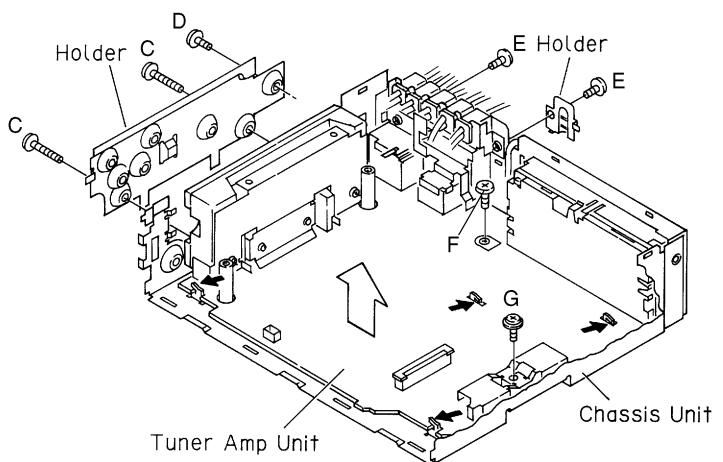


Fig. 26

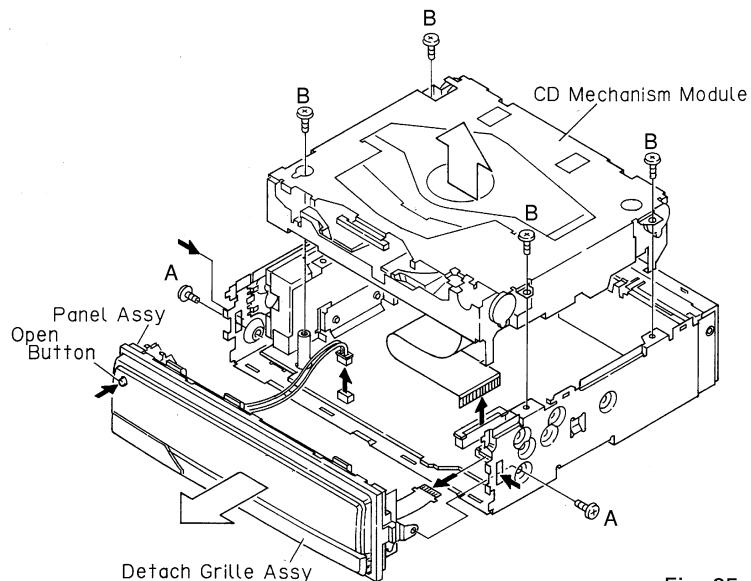


Fig. 25

7.2.2 TEST MODE

● CD Test Mode

1) Precautions

- This unit uses a single power supply (+5V) for the regulator. The signal reference potential, therefore, is connected to REFO(approx. 2.5V) instead of GND. If REFO and GND are connected to each other by mistake during adjustments, not only will it be impossible to measure the potential correctly, but the servo will malfunction and a severe shock will be applied to the pick-up. To avoid this, take special note of the following.

Do not connect the negative probe of the measuring equipment to REFO and GND together. It is especially important not to connect the channel 1 negative probe of the oscilloscope to REFO with the channel 2 negative probe connected to GND.

Since the frame of the measuring instrument is usually at the same potential as the negative probe, change the frame of the measuring instrument to floating status.

If by accident REFO comes in contact with GND, immediately switch the regulator or power OFF.

- Always make sure the regulator is OFF when connecting and disconnecting the various filters and wiring required for measurements.
- Before proceeding to further adjustments and measurements after switching regulator ON, let the player run for about one minute to allow the circuits to stabilize.
- Since the protective systems in the unit's software are rendered inoperative in test mode, be very careful to avoid mechanical and /or electrical shocks to the system when making adjustment.
- Test mode starting procedure
Switch ACC, back-up ON while pressing the **4** and **6** keys together.

- Test mode cancellation
Switch ACC, back-up OFF.

- Disc detection during loading and eject operations is performed by means of a photo transistor in this unit. Consequently, if the inside of the unit is exposed to a strong light source when the outer casing is removed for repairs or adjustment, the following malfunctions may occur.

*During PLAY, even if the eject button is pressed, the disc will not be ejected and the unit will remain in the PLAY mode.

*The unit will not load a disc.

When the unit malfunctions this way, either re-position the light source, move the unit or cover the photo transistor.

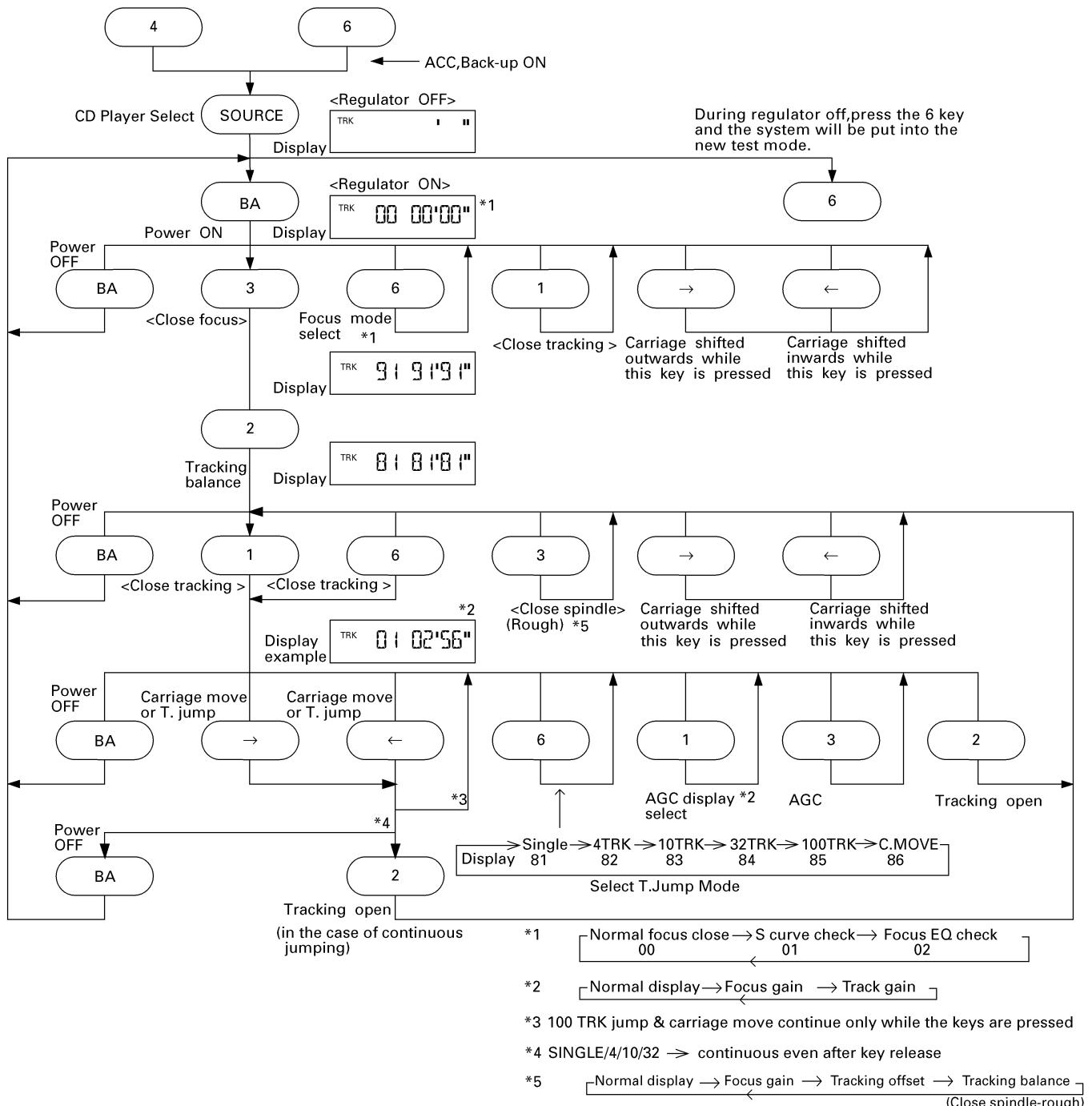
- When loading and unloading discs during adjustment procedures, always wait for the disc to be properly clamped or ejected before pressing another key. Otherwise, there is a risk of the actuator being destroyed.

- Turn power off when pressing the button → or the button ← key for focus search in the test mode. (Or else lens may stick and the actuator may be damaged.)

- SINGLE/4TRK/10TRK/32TRK will continue to operate even after the key is released. Tracking is closed the moment C-MOVE is released.

- JUMP MODE resets to SINGLE as soon as power is switched OFF.

● Flow Chart



● Error Number Indication

If the CD should fail to operate or if an error has taken place during operation the player will enter into the error mode, and the cause of the error will be numerically indicated.

This is aimed at assisting in analysis or repair.

(1) Basic Means of Display

With ERROR indicated in "MODE" on IP-BUS Display data, an error code is transmitted by the use of MIN and SEC.

The MIN and SEC data will be identical.

Examples of Display ERROR-XX

(2) Error Codes

| Error Code | Classification | Description | Cause/Detail |
|------------|----------------|----------------------------------|---|
| 10 | ELECTRIC | Carriage home failure | Carriage doesn't move to or from the innermost position →Home switch failed and/or carriage immobile |
| 11 | ELECTRIC | Focus failure | Focus failed →Defects, disc upside-down, severe vibration |
| 12 | ELECTRIC | SETUP failure Subcode failure | Spindle failed to lock or subcode unreadable →Spindle defective, defect, severe vibration |
| 14 | ELECTRIC | Mirror failure | Unrecorded CD-R The disc is upside-down, defects, vibration |
| 17 | ELECTRIC | Set up failure | AGC protect failed →Defects, disc upside-down, severe vibration |
| 19 | ELECTRIC | Set up failure | Tracking error waveform is too unbalanced (>50%) or level is too small →The P.U.unit or tracking error circuitry is N.G. |
| 30 | ELECTRIC | Search time out | Failed to reach target address →Carriage/tracking defective and/or defects |
| A0 | SYSTEM | Power failure | Power overvoltage or short circuit detected →Switching transistor defective and/or power abnormal |

"defects" means scratches, dirt etc on the surface of the disc.

● New Test Mode(aging operation and setup analysis)

The single CD player plays in normal mode. After being set up, it will display FOK (focus), LOCK (spindle), subcode, sound skip, protection against a mechanical error or the like, occurrence of an error, cause and time of an expiry, if any, (and disc number).

During the setup, the CD software operation status (internal RAM and C-point) is displayed.

(1) How to enter NEW TEST Mode

See the test mode flow chart Page 71.

(2) Relations of keys between TEST and NEW TEST Modes

| Keys | Test Mode | | New Test Mode | |
|------|----------------------------|----------------|------------------|--|
| | Regulator OFF | Regulator ON | PLAY in progress | Error Occurred, Protection Activated |
| BA | Regulator ON | Regulator OFF | — | Time of occurrence / cause of error select |
| → | — | FWD-KICK | TRACK+ / FF | — |
| ← | — | REV-KICK | TRACK- / REV | — |
| 1 | — | TRACKING CLOSE | SCAN | — |
| 2 | — | TRACKING OPEN | REPEAT | — |
| 3 | — | FOCUS CLOSE | RANDOM | — |
| 6 | To New Test Mode Select | FOCUS MODE | AUTO/MANU | — |

Operations, such as EJECT, CD ON/OFF, etc. are performed normally.

(3) Error Cause (Error Number) Code

| Error Code | Classification | Mode | Description | Cause | Detail |
|------------|----------------|------|----------------------------|------------------------------|---|
| 40 | ELECTRIC | PLAY | FOK=L 100ms | Put out of focus | Scratch, Stain, Vibration, Servo defect, etc... |
| 41 | ELECTRIC | PLAY | LOCK=L 100ms | Spindle unlock | |
| 42 | ELECTRIC | PLAY | Subcode unacceptable 500ms | Failed to read subcode | |
| 43 | ELECTRIC | PLAY | Sound skipped | Last address memory operated | |

(4) Indicating an Operation Status During Setup

| | | |
|------------|---|--|
| Status No. | Description | Protection operation |
| 01 | Carriage home mode started | None |
| 02 | Carriage moving inwards | 10-second time out, Home switch failed |
| 03 | Carriage moving outwards | 10-second time out, Home switch failed |
| 05 | Carriage moving outwards | None |
| 11 | Setup started | None |
| 12 | Spindle turn/Focus search started | None |
| 13 | Waiting for focus closure (XSI=L) | Failure to close focus |
| 10,14 | Waiting for focus closure (FOK=H) | Failure to close focus |
| 15, 16, 17 | Focus closed, Tracking open | Focus disrupted |
| 18 | During focus AGC Subcode waiting | Focus disrupted |
| 19 | During tracking AGC | Disrupted focus |
| 20 | Waiting for MIRR, LOCK or subcode read Carriage closed, SPINDLE=ADAPTIVE | Focus disrupted, MIRR NG, Failure to lock, Failed to read subcode |

(5) Example of Display.

·SET UP in progress

| | | |
|------|-----|-----|
| TNo. | Min | Sec |
| 91 | 91 | 91 |

·Protection/Error upon occurrence
(a) Error number indicated

ERROR-xx

Select the display with the
BAND key.

(b) Track number and
absolute time indicated

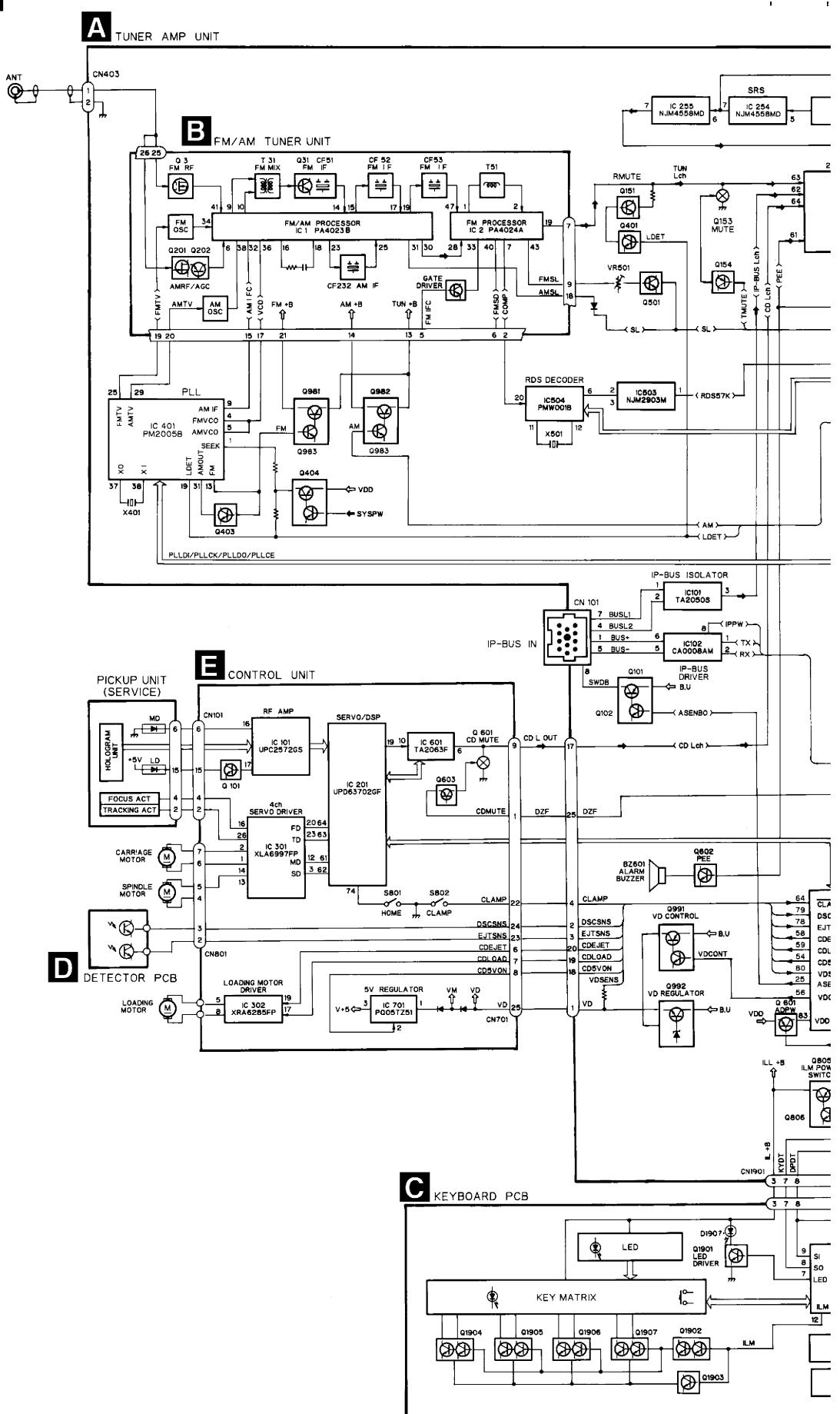
| | | |
|------|-----|-----|
| TNo. | Min | Sec |
| 10 | 40 | 05 |

·Operation (PLAY, SEARCH, etc.) in progress perfectly identical with that in the normal mode.

DEH-P835R, P735R

7.3 BLOCK DIAGRAM

● DEH-P835R/EW



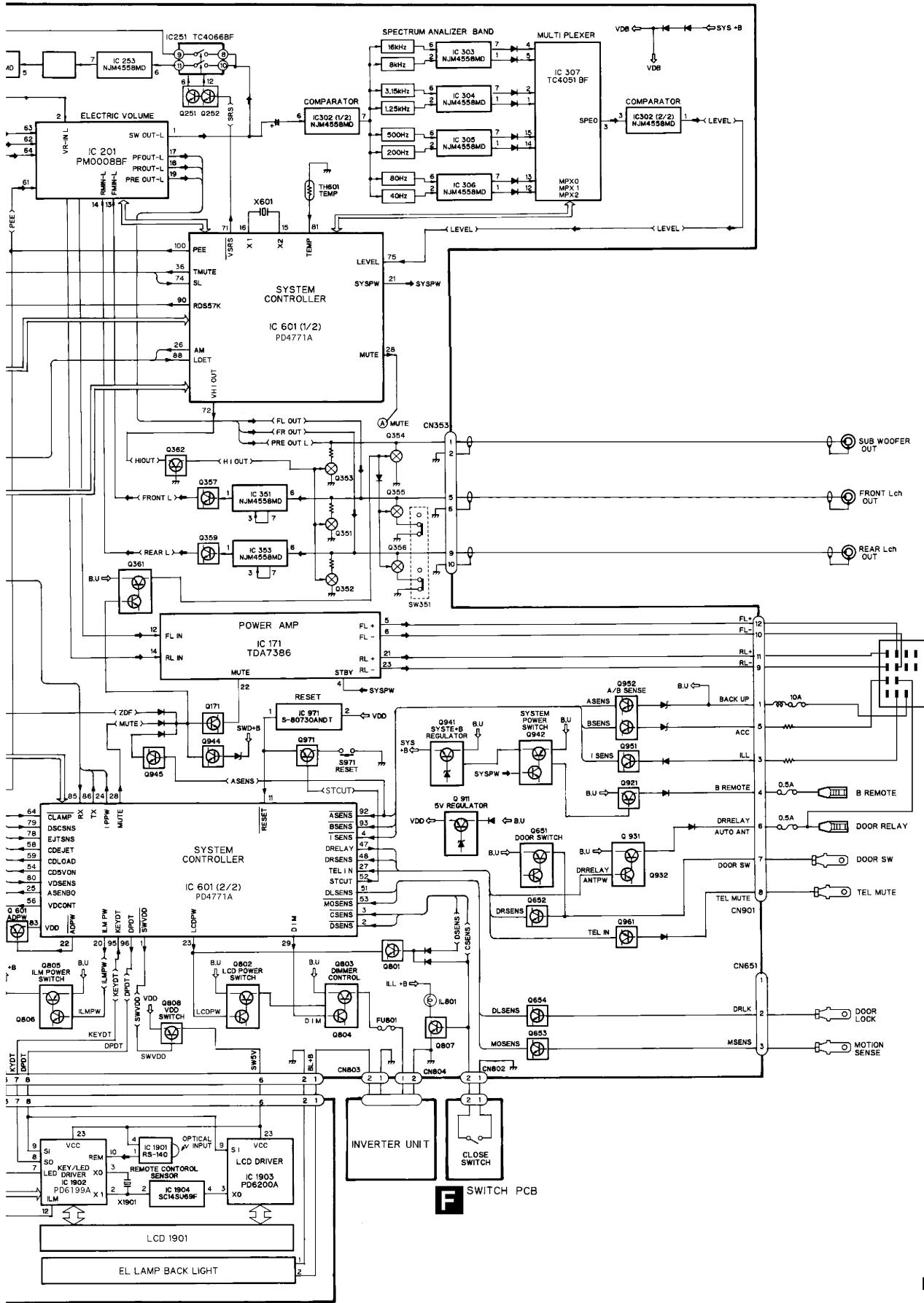


Fig. 27

8. OPERATIONS AND SPECIFICATIONS

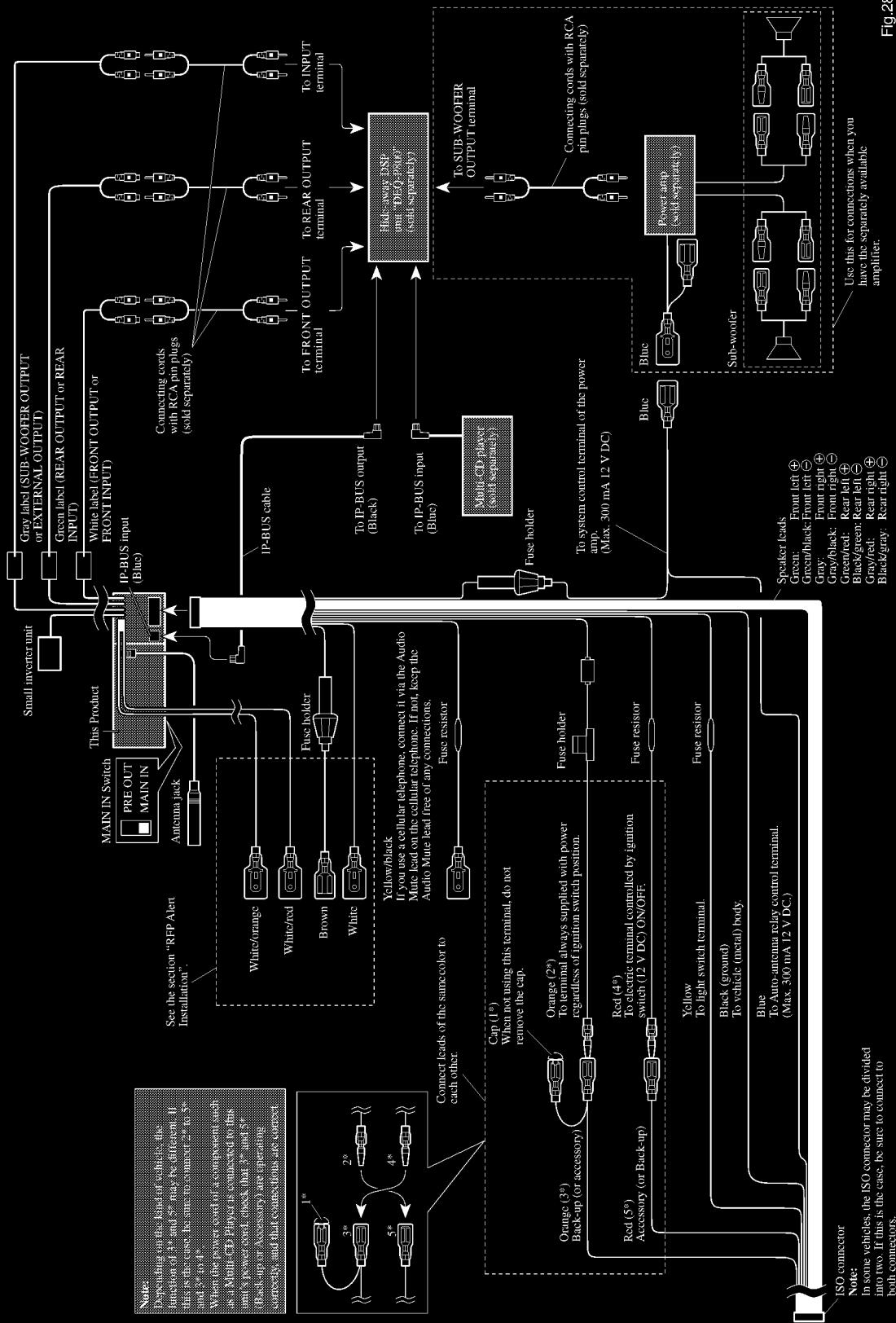


Fig.28

Connecting the Units

<ENGLISH>

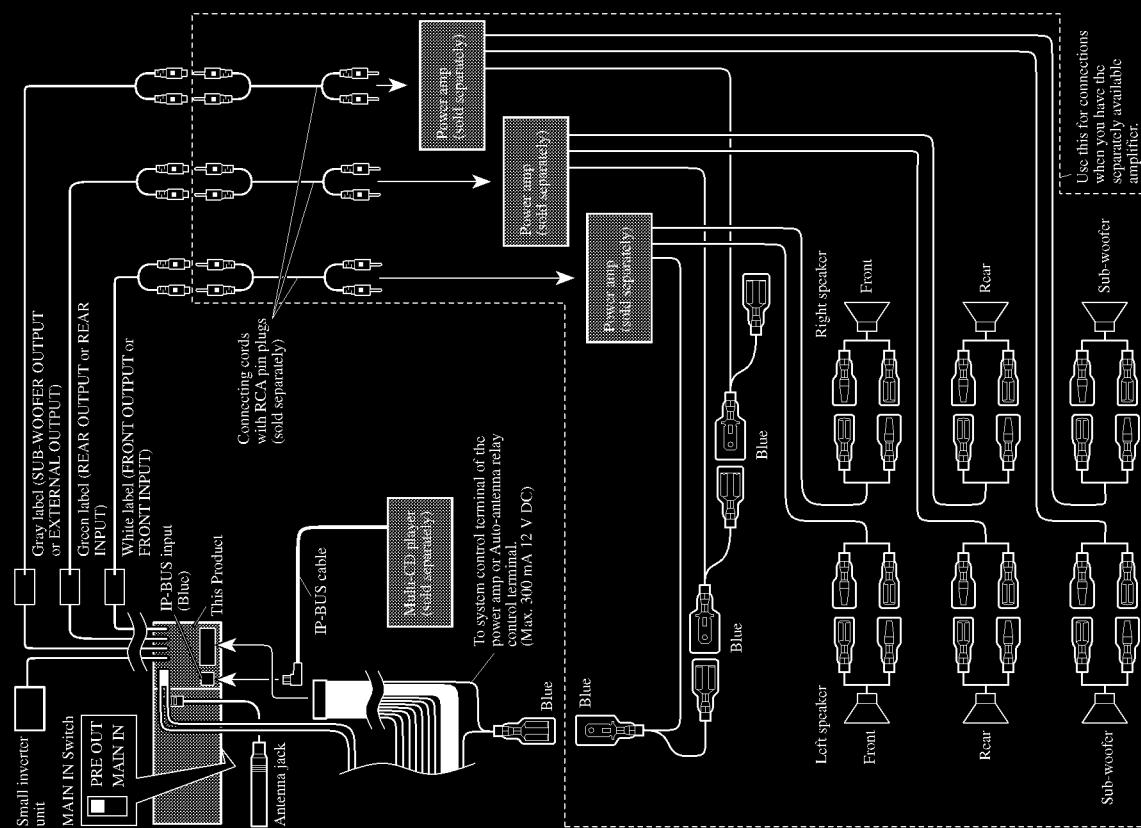
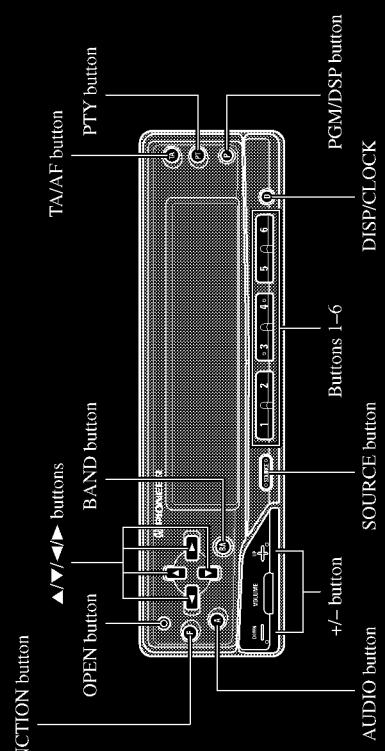


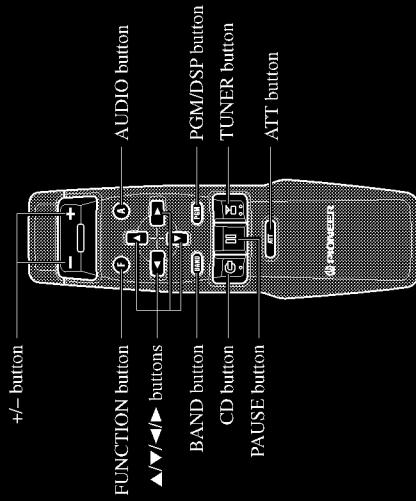
Fig.29

Key Finder

■ Head Unit



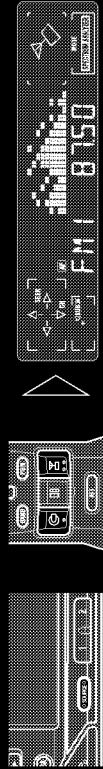
■ Remote Controller



Use this for connections
when you have the
separately available
amplifier

Basic Operation**Switching Power ON/OFF**

- Select the desired source (such as the tuner).

**Head Unit**

Each press of the SOURCE button selects the desired source in the following order:

Built-in CD Player → Tuner → Multi-CD player → AUX

To switch the sources OFF, hold down the SOURCE button for 1 second or more.

Remote Controller

Each press of the button selects the desired source in the following order:

TUNER button : Tuner → OFF

CD button : Built-in CD Player → Multi-CD player → OFF

Note:

- In the following cases, the sound source will not change:

* No Multi-CD player is connected to this product.

* No disc is set in this product.

* No magazine is set in the Multi-CD player.

* AUX (external input) is set to OFF.

Tuner Operation**Basic Operation of Tuner**

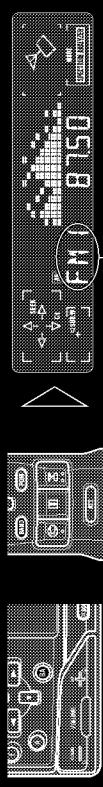
1. Select Tuner.



Each press changes the Source ...

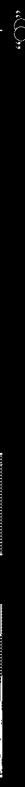
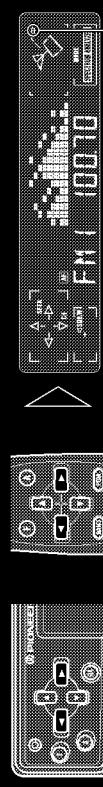
The program service name or frequency appears on the display.

2. Select the desired band.



FM1 → FM2 → FM3 → MW/LW

3. Tune the receiver to a higher or lower frequency.



This product's tuner lets you select the tuning by changing the length of the time you press the button.

| | |
|------------------------------|---------------------|
| Manual Tuning (step by step) | 0.3 seconds or less |
| Seek Tuning (automatically) | 0.3 – 2 seconds |
| Manual Tuning (continuously) | 2 seconds or more |

Note:

- “○” indicator lights when a stereo station is selected.

- To select a weak broadcasting station that cannot be tuned in with the Seek Tuning function, tune in with Manual Tuning.

Using the Built-in CD Player

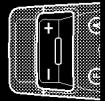
Basic Operation of Built-in CD Player

The built-in CD player plays one standard 12 cm or 8 cm (single) CD at a time. Do not use an adapter when playing 8 cm CD.

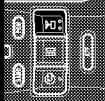
1. Open the front panel and insert the disc with the recorded (iridescence) surface down.



4. Raise or lower the volume.



5. Turn the source OFF.

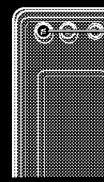


Hold for 1 second

AF Function Switching

This product's AF function can be switched ON and OFF. AF should be switched OFF for normal tuning operations.

- Switch AF OFF.



Hold for 2 seconds

To switch AF ON, repeat the preceding operation.

Note:

- You can also switch the AF Function ON/OFF in the Function Menu.

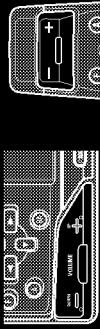


Track Search
Fast-forward/Reverse

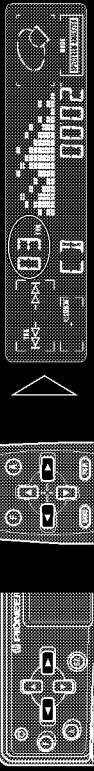
0.5 seconds or less

Continue pressing

4. Raise or lower the volume.



3. Select the desired track (or fast-forward/reverse, per the chart below).



This product's built-in CD player lets you select the Track Search function or Fast-forward/Reverse function by changing the length of the time you press the button.

Track Search
Fast-forward/Reverse

0.5 seconds or less

Continue pressing

Tuner Operation

1. Open the front panel and insert the disc with the recorded (iridescence) surface down.



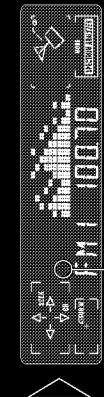
2. Close the front panel by swinging it gently upward.



AF Function Switching

This product's AF function can be switched ON and OFF. AF should be switched OFF for normal tuning operations.

- Switch AF OFF.



Hold for 2 seconds

To switch AF ON, repeat the preceding operation.

Note:

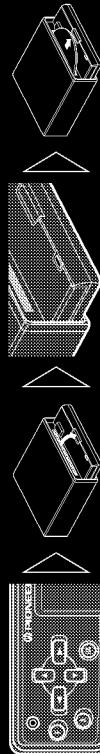
- You can also switch the AF Function ON/OFF in the Function Menu.



Track Search
Fast-forward/Reverse

0.5 seconds or less

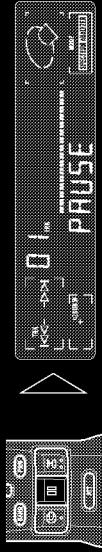
Continue pressing

Using Multi-CD Players**5. Open the front panel and remove the disc.**

Be sure to close the front panel after removing the disc.

Note:

- The CD function can be turned ON/OFF with the disc remaining in this product. (See page 9.)
- Discs left partially inserted after ejection may incur damage or fall out.
- If a disc cannot be inserted fully or playback fails, make sure the recorded side is down, push the EJECT button and check the disc for damage before reinserting it.
- If a CD is inserted with the recorded side up, it will be ejected automatically after a few moments.
- If the built-in CD player cannot operate properly, an error message (such as "ERROR-14") appears on the display.

Pause**• Stop playback temporarily or restarts the system.****Note:**

- You can also switch the Pause function ON/OFF in the Function Menu.

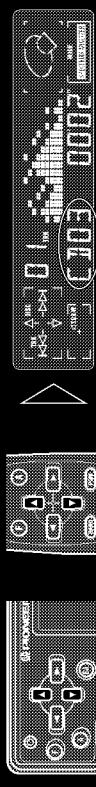
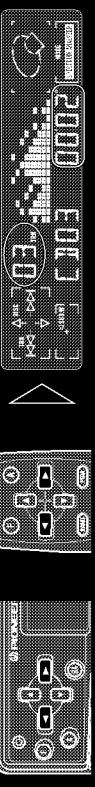
This product can control one or more multi-CD players.

Basic Operation of Multi-CD Players**1. Select the multi-CD player source.**

Each press changes the Source ...

Note:

- The multi-CD player may perform a preparatory operation, such as verifying the presence of a disc or reading disc information, when the power is turned ON or a new disc is selected for playback. "READY" is displayed.
- If the multi-CD player cannot operate properly, an error message such as "ERROR-14" is displayed. Refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, "NO DISC" is displayed.

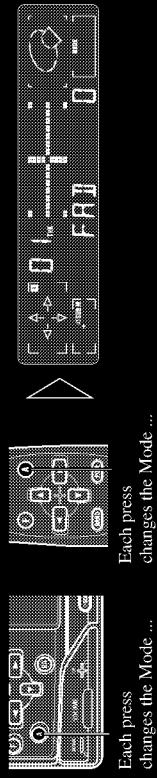
2. Select the desired disc.**3. Select the desired track (or fast-forward/reverse, per the chart below).**

This product lets you select the track search function or fast-forward/reverse function by changing the length of the time you press the button.

| | |
|----------------------|---------------------|
| Track search | 0.5 seconds or less |
| Fast-forward/Reverse | Continue pressing |

Entering the Audio Menu

- Select the mode you want to adjust in **Audio Menu**.



Each press of the AUDIO button selects the mode in the following order:
FAD → BAS* → **MID*** → **TRE*** → **LOUD** → **SUB.W** → **(80HZ 0)**** →
(ASL)* → **FIE** → **3D_SRND*** → **PEAKBOUND** → **SIA**

* You cannot select the "BAS", "MID", "TRE" and "3D_SRND" modes when a Hide-away DSP (DEQ-P800) is connected to this product.

You can select the "ASL" mode only when a Hide-away DSP (DEQ-P800) is connected to this product.

** You cannot select the "SUB.W" and "80HZ 0" modes when a Hide-away DSP (DEQ-P800) is connected to this product.

To cancel the "ASL" mode, press the BAND button.

Note:

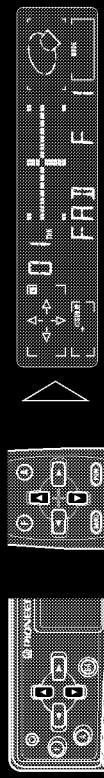
- You can select the "80HZ 0" mode only when sub-woofer output is switched ON in the SUB.W mode.
- After entering the Audio Menu, if you do not perform an operation which 30 seconds, the Audio Menu is automatically canceled.

Balance Adjustment

This function allows you to select a Fader/Balance setting that provides ideal listening conditions in all occupied seats.

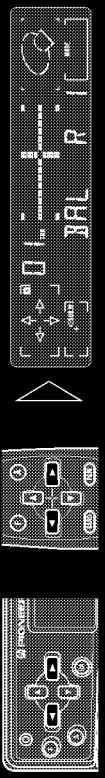
- Select the Fader/Balance mode (FAD) in the **Audio Menu**.

- Shift the balance progressively to the front or rear speakers.



"FAD F15" – "FAD R15" is displayed as it moves from front to rear.
 ("FAD F9" – "FAD R9" is displayed as it moves from front to rear when a Hide-away DSP (DEQ-P800) is connected to this product.)

- Shift the balance to the left or right speaker, respectively.



"BAL L9" – "BAL R9" is displayed as it moves from left to right.

To cancel the **Audio Menu**, press the **BAND** button.

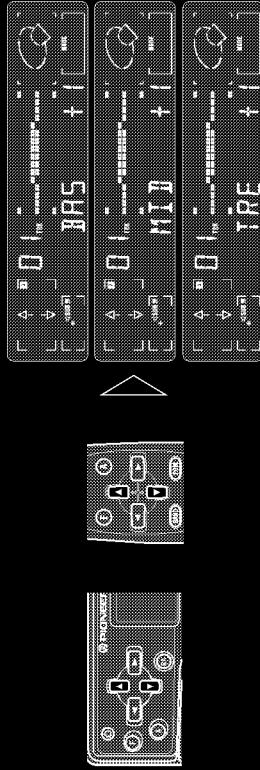
Note:

- "FAD 0" is the proper setting when 2 speakers are in use.
- You cannot shift the balance progressively to the front or rear speakers when a DSP (except the Hide-away DSP) is connected to this product.

General

This product is equipped with three tone adjustment modes, the Bass (BAS), Middle (MID) and Treble (TRE) modes. It is possible to select a different tone adjustment setting for each source. The built-in CD player and multi-CD player are set to the same tone adjustment setting automatically.

- Select bass mode (BAS), middle mode (MID) or treble mode (TRE) in the Audio Menu.**
- Increase or decrease the intensity of the Bass, Middle or Treble, whichever is selected.**



The display shows “+6” – “-6”.

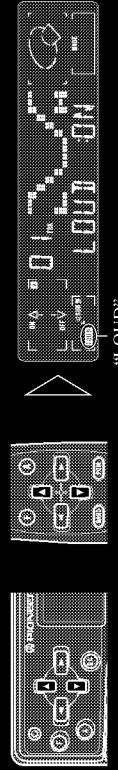
- Repeat steps 1–2 above for the other Bass, Middle or Treble Adjustment.**

To cancel the Audio Menu, press the BAND button.

Loudness Adjustment

The Loudness function compensates for deficiencies in the low and high sound ranges at low volume.

- Select the Loudness mode (LOUD) in the Audio Menu.**
- Switch the Loudness function ON or OFF.**



To cancel the Audio Menu, press the BAND button.

FM tuner

| | |
|----------------------------------|--|
| Power source | 14.4 V DC (10.8 – 15.1 V allowable) |
| Grounding system | Negative type |
| Max. current consumption | 10 A |
| Dimensions (mounting size) | 178 (W) × 50 (H) × 155 (D) mm (front face) |
| Weight | 1.4 kg |

Amplifier

| | |
|--|---|
| Maximum power output | 40 W × 4 |
| Continuous power output | 25 W × 4 (DIN45324; B = 14.4 V) |
| Load impedance | 4 Ω (4 – 8 Ω allowable) |
| Precut output level/output impedance | 500 mV/1 kΩ |
| Sub-woofer output | |
| Crossover frequency | 50 Hz, 80 Hz, 125 Hz |
| Crossover slope | -18 dB/oct |
| Tone controls (Bass) | |
| (Middle) | ±12 dB (100 Hz) |
| (Treble) | ±12 dB (400 Hz) |
| Loudness contour | +10 dB (100 Hz), +7 dB (10 kHz) (volume: -30 dB) |

CD player

| | |
|---------------------------------|-------------------------------|
| System | Compact disc audio system |
| Usable discs | Compact disc |
| Signal format | Sampling frequency: 44.1 kHz |
| Number of quantization bits: 16 | Linear |
| Frequency characteristics | 5 – 20,000 Hz (-2 dB) |
| Signal-to-noise ratio | 94 dB (1 kHz) (IEC-A network) |
| Dynamic range | 90 dB (1 kHz) |
| Number of channels | 2 (stereo) |

Note:

- Specifications and the design are subject to possible modification without notice due to improvements.